abcam

Product datasheet

Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free ab251322

リコンビナント RabMAb

画像数 11

製品の概要

製品名	Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR17340] to MEK3 + MEK6 - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** WB, IP, IHC-P, Flow Cyt (Intra), ICC/IF
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	ab251322 is the carrier-free version of **ab200831**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR17340
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab251322の使用に適用されます**

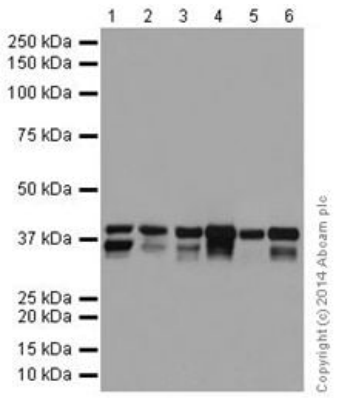
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Detects a band of approximately 39, 37, 34 kDa (predicted molecular weight: 39, 37 kDa).
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt (Intra)		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

ターゲット情報

機能	Dual specificity kinase. Is activated by cytokines and environmental stress in vivo. Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in the MAP kinase p38.
組織特異性	Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues.
関連疾患	Defects in MAP2K3 may be involved in colon cancer.
配列類似性	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily. Contains 1 protein kinase domain.
翻訳後修飾	Autophosphorylated. Phosphorylation on Ser-218 and Thr-222 by MAP kinase kinase kinases regulates positively the kinase activity. Phosphorylated by TAOK2. Yersinia yopJ may acetylate Ser/Thr residues, preventing phosphorylation and activation, thus blocking the MAPK signaling pathway.

画像



Western blot - Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free (ab251322)

All lanes : Anti-MEK3 + MEK6 antibody [EPR17340] (**ab200831**) at 1/1000 dilution

Lane 1 : Mouse spleen lysate at 10 µg
Lane 2 : Rat spleen lysate at 10 µg
Lane 3 : C6 (Rat glial tumor cells) whole cell lysate
Lane 4 : RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate
Lane 5 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate
Lane 6 : NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysate

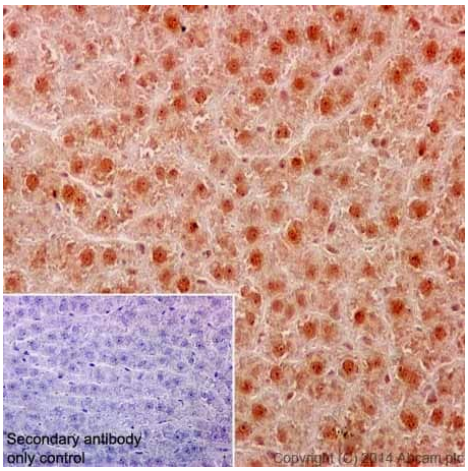
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 39, 37 kDa
Observed band size: 34,37,39 kDa

Exposure time: 30 seconds

This data was developed using **ab200831**, the same antibody clone in a different buffer formulation.

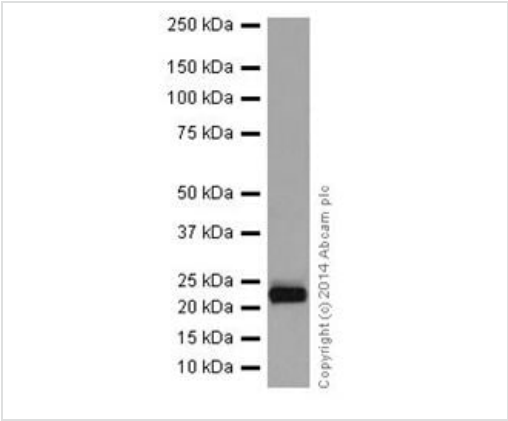
Blocking and dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free (ab251322)

This data was developed using **ab200831**, the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Mouse liver tissue labeling MEK3 + MEK6 with **ab200831** at 1/250 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nuclear and cytoplasmic staining on Mouse liver tissue is observed. Counter stained with Hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

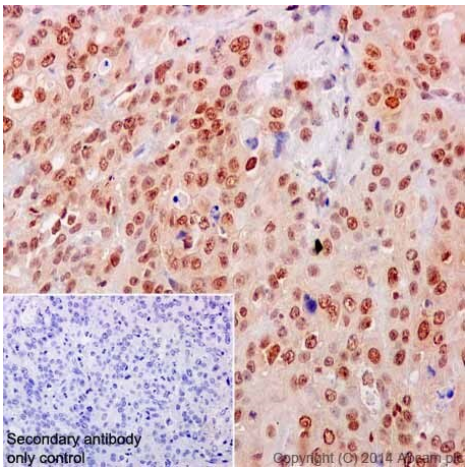


Western blot - Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free (ab251322)

This data was developed using **ab200831**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.

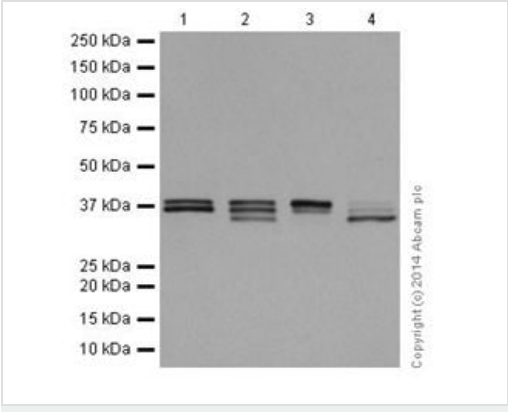
Recombinant fragment of Human MEK6 protein contains aa139-334 with His-Tag®(22kDa).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free (ab251322)

This data was developed using **ab200831**, the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human cervix carcinoma tissue labeling MEK3 + MEK6 with **ab200831** at 1/250 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nuclear and cytoplasmic staining on Human cervix carcinoma tissue is observed. Counter stained with Hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free (ab251322)

All lanes : Anti-MEK3 + MEK6 antibody [EPR17340] (**ab200831**) at 1/1000 dilution

Lane 1 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate
Lane 2 : HepG2 (Human liver hepatocellular carcinoma) whole cell lysate
Lane 3 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate
Lane 4 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

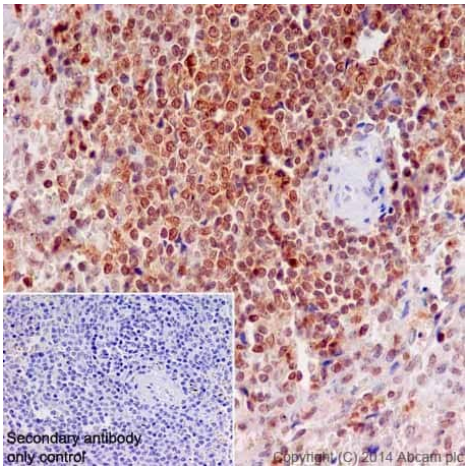
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 39, 37 kDa
Observed band size: 34,37,39 kDa

Exposure time: 15 seconds

This data was developed using **ab200831**, the same antibody clone in a different buffer formulation.

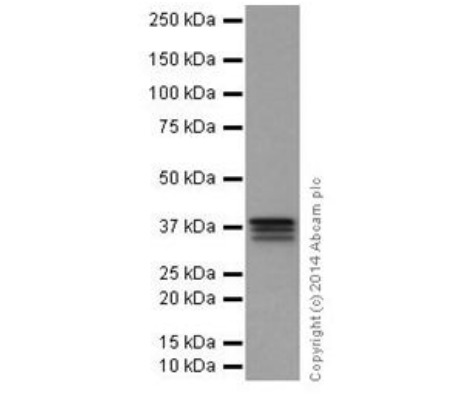
Blocking and dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free (ab251322)

This data was developed using **ab200831**, the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human spleen tissue labeling MEK3 + MEK6 with **ab200831** at 1/250 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nuclear and cytoplasmic staining on Human spleen tissue is observed. Counter stained with Hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free (ab251322)

Anti-MEK3 + MEK6 antibody [EPR17340] (**ab200831**) at 1/10000 dilution + Human fetal liver tissue lysate at 10 µg

Secondary

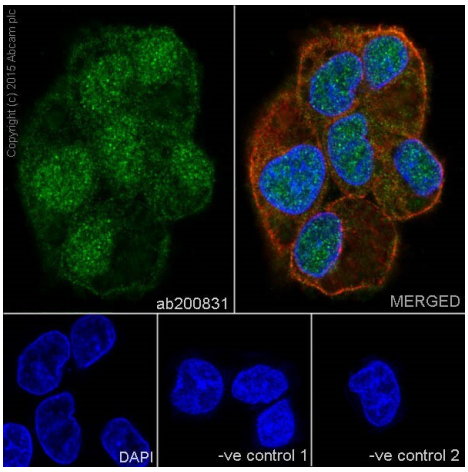
Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 39, 37 kDa
Observed band size: 34,37,39 kDa

Exposure time: 1 minute

This data was developed using **ab200831**, the same antibody clone in a different buffer formulation.

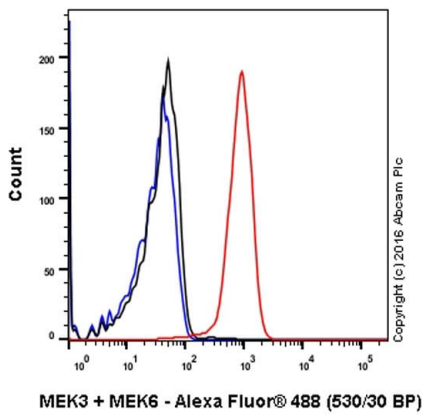
Blocking and dilution buffer: 5% NFDM/TBST.



Immunocytochemistry/ Immunofluorescence - Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free (ab251322)

This data was developed using **ab200831**, the same antibody clone in a different buffer formulation.

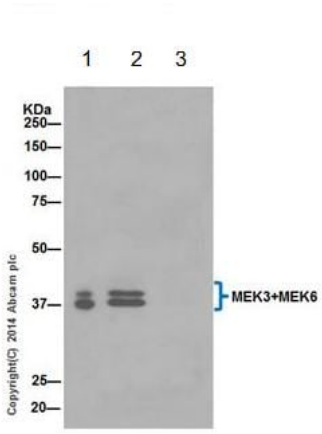
Immunocytochemistry analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HepG2 (human hepatocellular carcinoma) cells labeling MEK3 + MEK6 with **ab200831** at 1/1000 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/500 dilution (green). Nuclear and cytoplasmic staining on HepG2 cell line is observed. The nuclear counterstain is DAPI (blue). Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).
The negative controls are as follows:-
-ve control 1: **ab200831** at 1/1000 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.
-ve control 2: **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.



Flow Cytometry (Intracellular) - Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free (ab251322)

This data was developed using **ab200831**, the same antibody clone in a different buffer formulation.

Intracellular Flow Cytometry analysis of HeLa cells labelling MEK3 + MEK6 (red) with purified **ab200831** at dilution of 1/150. The secondary antibody used was Alexa Fluor® 488 goat-anti-rabbit IgG (1/2000). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Isotype control antibody was Rabbit monoclonal IgG (black). The blue line shows cells without incubation with primary antibody and secondary antibody.



Immunoprecipitation - Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free (ab251322)

This data was developed using **ab200831**, the same antibody clone in a different buffer formulation.MEK3 + MEK6 was immunoprecipitated from 1mg of HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate with **ab200831** at 1/100 dilution. Western blot was performed from the immunoprecipitate using **ab200831** at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.Lane 1: HeLa whole cell lysate 10ug (Input). Lane 2: **ab200831** IP in HeLa whole cell lysate. Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab200831** in Jurkat whole cell lysate. Blocking and dilution buffer and concentration: 5% NFDM/TBST.Exposure time: 30 seconds.

Anti-MEK3 + MEK6 antibody [EPR17340] - BSA and Azide free (ab251322)

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