abcam

Product datasheet

Anti-ERK1 (phospho T202) + ERK2 (phospho T185) antibody [EPR19401] - BSA and Azide free ab232370

リコンビナント RabMAb

1 References 画像数 7

製品の概要

製品名	Anti-ERK1 (phospho T202) + ERK2 (phospho T185) antibody [EPR19401] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR19401] to ERK1 (phospho T202) + ERK2 (phospho T185) - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** IP, ICC/IF, WB, IHC-P, Dot blot
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.
ポジティブ・コントロール	IHC-P: Human glioma tissue.
特記事項	ab232370 is the carrier-free version of **ab201015**. 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	EPR19401
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ab232370の使用に適用されます

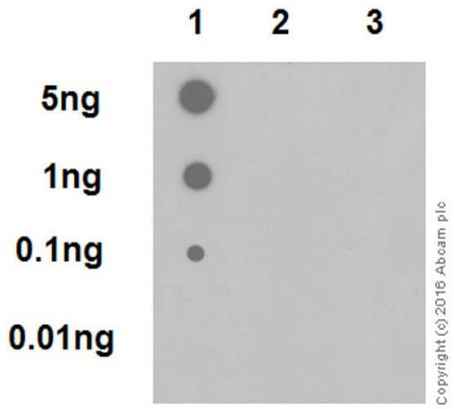
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 44, 42 kDa (predicted molecular weight: 41 kDa).
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. IHC is recommended for human only.
Dot blot		Use at an assay dependent concentration.

ターゲット情報

細胞内局在	ERK2: Nucleus.

画像



Dot Blot - Anti-ERK1 (phospho T202) + ERK2 (phospho T185) antibody [EPR19401] - BSA and Azide free (ab232370)

Dot blot analysis of ERK2 (phospho T185) labeled with **ab201015** at 1/1000 dilution.

Lane 1: ERK2 (pT185) phospho peptide: DHTGFLT(p)EYVATR aa179-191 peptide;

Lane 2: ERK2 Non-phospho peptide: DHTGFLTEYVATR aa179-191 peptide;

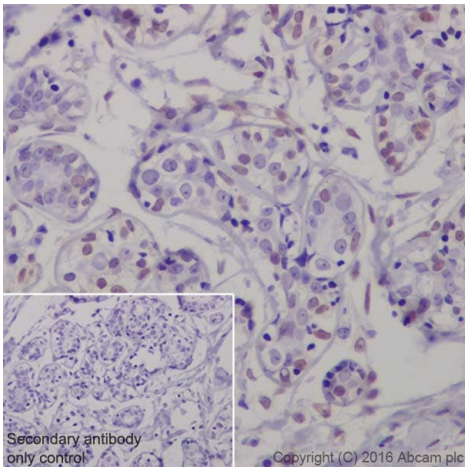
Lane 3: ERK2 (pY187) phospho peptide: DHTGFLTEY(p)VATR aa179-191 peptide.

Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated (**ab97051**) at 1/100000 dilution was used as secondary antibody.

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: 3 minutes.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab201015**).



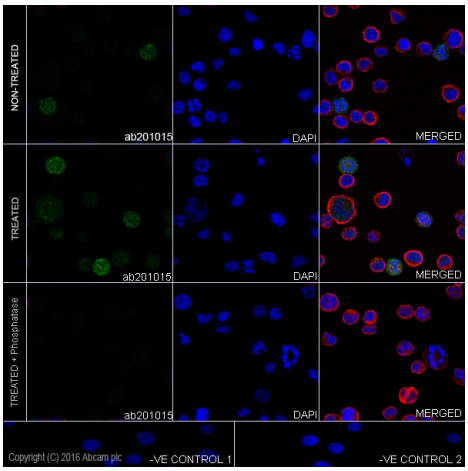
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ERK1 (phospho T202) + ERK2 (phospho T185) antibody [EPR19401] - BSA and Azide free (ab232370)

Immunohistochemical analysis of paraffin-embedded human breast tissue labeling ERK2 (phospho T185) with **ab201015** at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nuclear staining on Human breast is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is **ab97051** at 1/500 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab201015**).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-ERK1 (phospho T202) + ERK2 (phospho T185) antibody [EPR19401] - BSA and Azide free (ab232370)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Jurkat (Human T cell leukemia cell line from peripheral blood) cells labeling ERK1 (phospho T202) and ERK2 (phospho T185)

ERK1 (phospho T202) + ERK2 (phospho T185) with **ab201015** at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green).

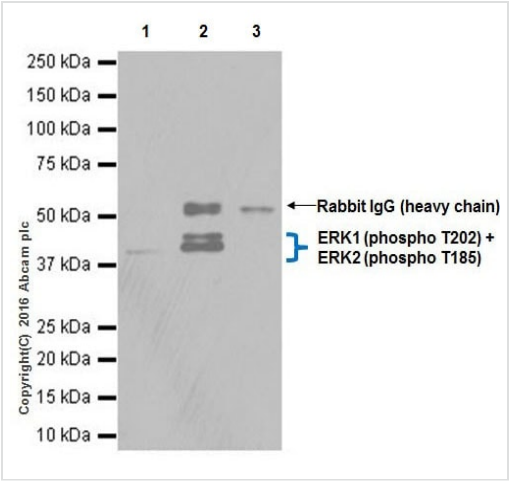
Confocal image showing staining on M phase cells (PMID:26529125). After PMA treatment (200 ng/ml, 30min), the staining was increased, and LP treatment decreased the PMA induced staining.

The nuclear counter stain is DAPI (blue).

Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution and **ab150120** (Alexa Fluor® 594 Goat anti-Mouse secondary) at 1/1000 dilution (red).

The negative controls are as follows:
-ve control 1: **ab201015** at 1/500 dilution followed by **ab150120** (Alexa Fluor® 594 Goat anti-Mouse secondary) at 1/1000 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 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab201015**).



Immunoprecipitation - Anti-ERK1 (phospho T202) + ERK2 (phospho T185) antibody [EPR19401] - BSA and Azide free (ab232370)

ERK2 (phospho T185) was immunoprecipitated from 0.35 mg of NIH/3T3 (Mouse embryonic fibroblast cell line) treated with 50ng/ml PDGF for 40min whole cell lysate with **ab201015** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab201015** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/1000 dilution.

Lane 1: NIH/3T3 treated with 50ng/ml PDGF for 40min whole cell lysate, 10µg (Input).

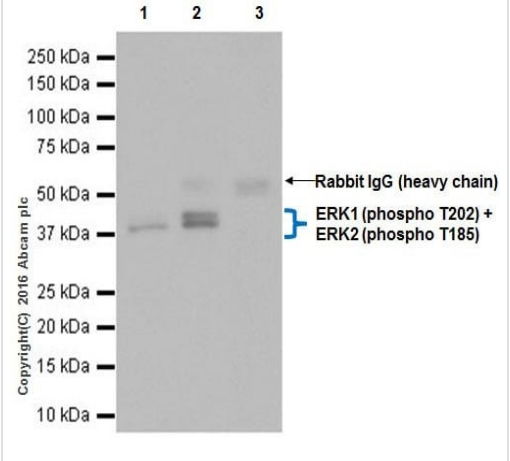
Lane 2: **ab201015** IP in NIH/3T3 treated with 50ng/ml PDGF for 40min whole cell lysate.

Lane 3: Rabbit IgG,monoclonal [EPR25A]-Isotype Control (**ab172730**) instead of **ab201015** in NIH/3T3 treated with 50ng/ml PDGF for 40min whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 3 minutes.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab201015**).



Immunoprecipitation - Anti-ERK1 (phospho T202) + ERK2 (phospho T185) antibody [EPR19401] - BSA and Azide free (ab232370)

ERK2 (phospho T185) was immunoprecipitated from 0.35 mg of PC-12 (Rat adrenal gland pheochromocytoma cell line) treated with 100ng/ml NGF for 10min whole cell lysate with **ab201015** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab201015** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/1000 dilution.

Lane 1: PC-12 treated with 100ng/ml NGF for 10min whole cell lysate, 10µg (Input).

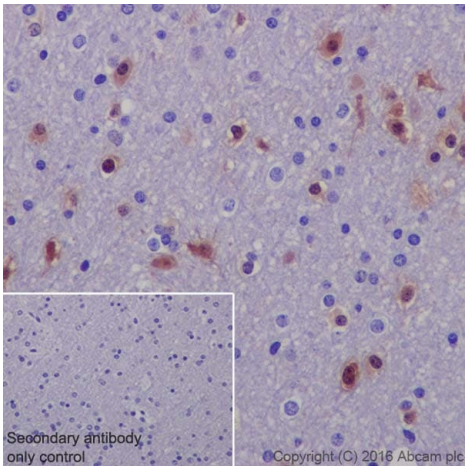
Lane 2: **ab201015** IP in PC-12 treated with 100ng/ml NGF for 10min whole cell lysate.

Lane 3: Rabbit IgG,monoclonal [EPR25A]-Isotype Control (**ab172730**) instead of **ab201015** in PC-12 treated with 100ng/ml NGF for 10min whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 3 minutes.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab201015**).



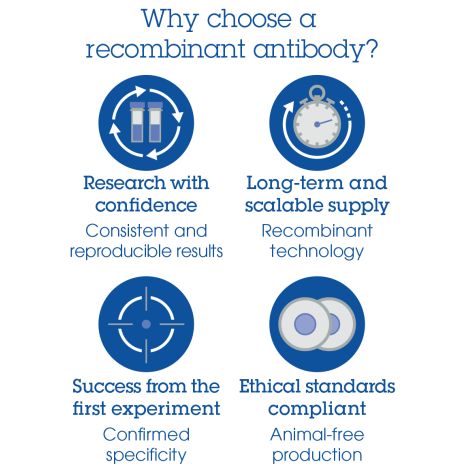
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ERK1 (phospho T202) + ERK2 (phospho T185) antibody [EPR19401] - BSA and Azide free (ab232370)

Immunohistochemical analysis of paraffin-embedded Human glioma tissue labeling ERK2 (phospho T185) with **ab201015** at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nuclear with weak cytoplasm staining on Human glioma is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is **ab97051** at 1/500 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab201015**).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Anti-ERK1 (phospho T202) + ERK2 (phospho T185) antibody [EPR19401] - BSA and Azide free (ab232370)

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