abcam

Product datasheet

Anti-Met (c-Met) (phospho Y1349) antibody [EP2367Y] ab68141

リコンビナント RabMAb

6 Abreviews 21 References 画像数 6

製品の概要

製品名	Anti-Met (c-Met) (phospho Y1349) antibody [EP2367Y]
製品の詳細	Rabbit monoclonal [EP2367Y] to Met (c-Met) (phospho Y1349)
由来種	Rabbit
アプリケーション	**適用あり:** Dot blot, WB, IP, IHC-P **適用なし:** Flow Cyt
種交差性	**交差種:** 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	WB: HeLa and A431 cell lysate IHC: Human breast carcinoma tissue IP: HeLa cells
特記事項	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 -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP2367Y
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ab68141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
Dot blot		Use at an assay dependent concentration.
WB		1/1000 - 1/10000. Predicted molecular weight: 156 kDa.
IP		1/20 - 1/150.
IHC-P	★★★★☆ (4)	1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

追加情報 Is unsuitable for Flow Cyt.

ターゲット情報

機能 Receptor for hepatocyte growth factor and scatter factor. Has a tyrosine-protein kinase activity. Functions in cell proliferation, scattering, morphogenesis and survival.

関連疾患 Note=Activation of MET after rearrangement with the TPR gene produces an oncogenic protein.
Note=Defects in MET may be associated with gastric cancer.
Defects in MET are a cause of hepatocellular carcinoma (HCC) [MIM:114550].
Defects in MET are a cause of renal cell carcinoma papillary (RCCP) [MIM:605074]. It is a subtype of renal cell carcinoma tending to show a tubulo-papillary architecture formed by numerous, irregular, finger-like projections of connective tissue. Renal cell carcinoma is a heterogeneous group of sporadic or hereditary carcinoma derived from cells of the proximal renal tubular epithelium. It is subclassified into common renal cell carcinoma (clear cell, non-papillary carcinoma), papillary renal cell carcinoma, chromophobe renal cell carcinoma, collecting duct carcinoma with medullary carcinoma of the kidney, and unclassified renal cell carcinoma.
Note=A common allele in the promoter region of the MET shows genetic association with susceptibility to autism in some families. Functional assays indicate a decrease in MET promoter activity and altered binding of specific transcription factor complexes.
Note=MET activating mutations may be involved in the development of a highly malignant, metastatic syndrome known as cancer of unknown primary origin (CUP) or primary occult malignancy. Systemic neoplastic spread is generally a late event in cancer progression. However, in some instances, distant dissemination arises at a very early stage, so that metastases reach clinical relevance before primary lesions. Sometimes, the primary lesions cannot be identified in spite of the progresses in the diagnosis of malignancies.

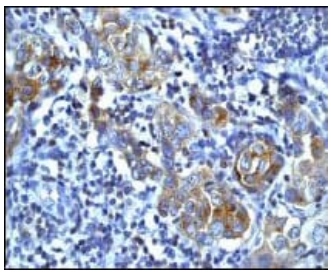
配列類似性 Belongs to the protein kinase superfamily. Tyr protein kinase family.
Contains 3 IPT/TIG domains.
Contains 1 protein kinase domain.
Contains 1 Sema domain.

ドメイン The kinase domain is involved in SPSB1 binding.

翻訳後修飾 Dephosphorylated by PTPRJ at Tyr-1349 and Tyr-1365.

細胞内局在 Membrane.

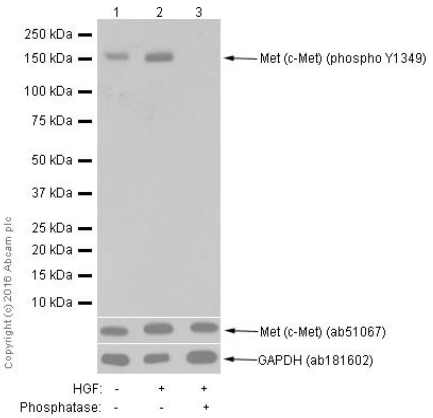
画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Met (c-Met) (phospho Y1349) antibody [EP2367Y] (ab68141)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ab68141 at a dilution of 1/50.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot - Anti-Met (c-Met) (phospho Y1349) antibody [EP2367Y] (ab68141)

All lanes : Anti-Met (c-Met) (phospho Y1349) antibody [EP2367Y] (ab68141) at 1/5000 dilution

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) serum starved for 24 h. Whole cell lysates
Lane 2 : HeLa (Human cervix adenocarcinoma epithelial cell) serum starved for 24 h and then treated with hepatocyte growth factor at 40ng/ml for 5 min. Whole cell lysates
Lane 3 : HeLa (Human cervix adenocarcinoma epithelial cell) serum starved for 24 h and then treated with hepatocyte growth factor at 40ng/ml for 5 min. Whole cell lysates. Then the membrane was incubated with phosphatase.

Lysates/proteins at 15 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

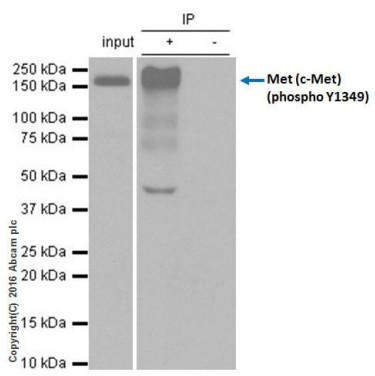
Predicted band size: 156 kDa
Observed band size: 150 kDa

Exposure time: 30 seconds

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

The molecular weight of Met (c-Met) (phospho Y1349) and Met (c-

Met) is different. Ab51067 could only recognize the pro-Met which is 190kDa, but ab68141 recognizes theβ-subunits which is 145kDa.



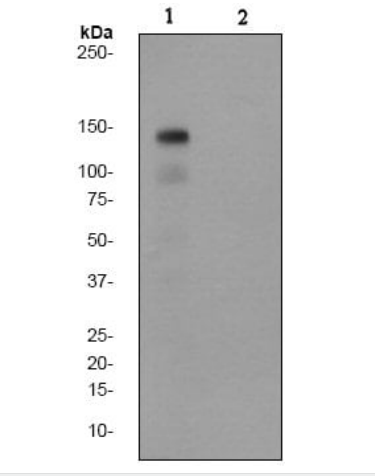
Immunoprecipitation - Anti-Met (c-Met) (phospho Y1349) antibody [EP2367Y] (ab68141)

ab68141 at 1/150 dilution immunoprecipitating Met (c-Met) (phospho Y1349) in HeLa (human cervix adenocarcinoma) whole cell lysate observed at 150 kDa (lanes 1 and 2).

Lane 1 (input): HeLa cells starved for 24 hours, then treated with 40 ng/mL HGF for 5 minutes whole cell lysate, 10µg
Lane 2 (+): ab68141 + HeLa cells starved for 24 hours, then treated with 40 ng/mL HGF for 5 minutes whole cell lysate
Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab68141 in HeLa cells starved for 24 hours, then treated with 40 ng/mL HGF for 5 minutes whole cell lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/10,000 dilution.

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



Western blot - Anti-Met (c-Met) (phospho Y1349) antibody [EP2367Y] (ab68141)

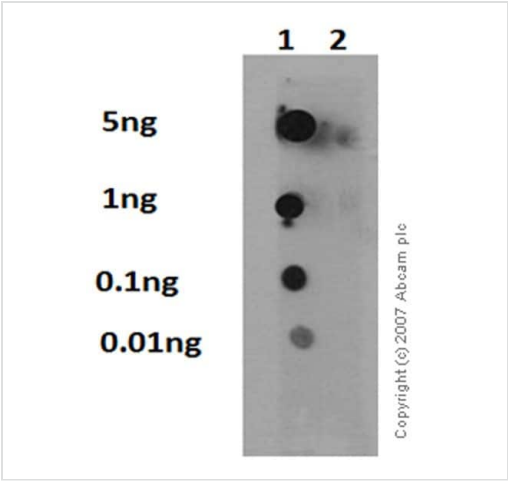
All lanes : Anti-Met (c-Met) (phospho Y1349) antibody [EP2367Y] (ab68141) at 1/10000 dilution

Lane 1 : A431 cell lysate, untreated
Lane 2 : A431 cell lysate, treated with AP

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : HRP-labeled goat anti-rabbit at 1/2000 dilution

Predicted band size: 156 kDa
Observed band size: ~150 kDa

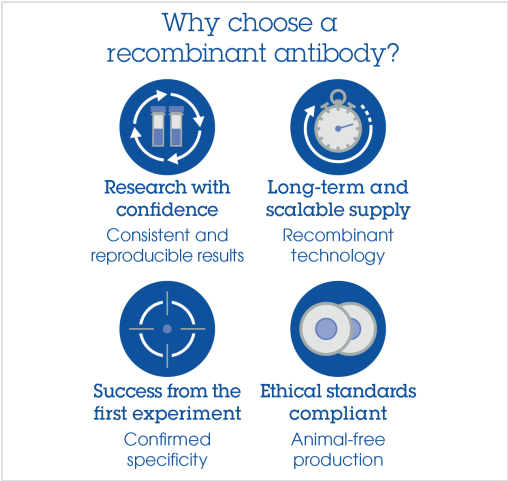


Dot Blot - Anti-Met (c-Met) (phospho Y1349) antibody [EP2367Y] (ab68141)

Dot blot analysis of Met (c-Met) (phospho Y1349) phospho peptide (Lane 1), Met (c-Met) Non-phospho peptide (Lane 2), labelling Met (c-Met) (phospho Y1349) with ab68141 at a dilution of 1/1000. Peroxidase conjugated goat anti-rabbit IgG (H+L)) was used as the secondary antibody at a dilution of 1/2500.

Blocking and diluting buffer: 5% NFDM/TBST.

Exposure time: 3 minutes.



Anti-Met (c-Met) (phospho Y1349) antibody [EP2367Y] (ab68141)

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