


Anti-TAK1 (phospho S439) antibody [EPR2863] ab109404

リコンビナント **RabMAb**

15 References 画像数 5

製品の概要

製品名	Anti-TAK1 (phospho S439) antibody [EPR2863]
製品の詳細	Rabbit monoclonal [EPR2863] to TAK1 (phospho S439)
由来種	Rabbit
特異性	This antibody only detects TAK1 phosphorylated at Serine 439 in Human or TAK1 phosphorylated at Serine 412 in Mouse.
アプリケーション	適用あり: Dot blot, WB, IP 適用なし: Flow Cyt, ICC/IF or IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
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	HeLa cell lysate. IP: HeLa treated with 100nM Calyculin A and 20ng/ml human IL-1 beta for 10min whole cell lysate.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Tissue culture supernatant

ポリ/モノ	モノクローナル
クローン名	EPR2863
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ab109404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。

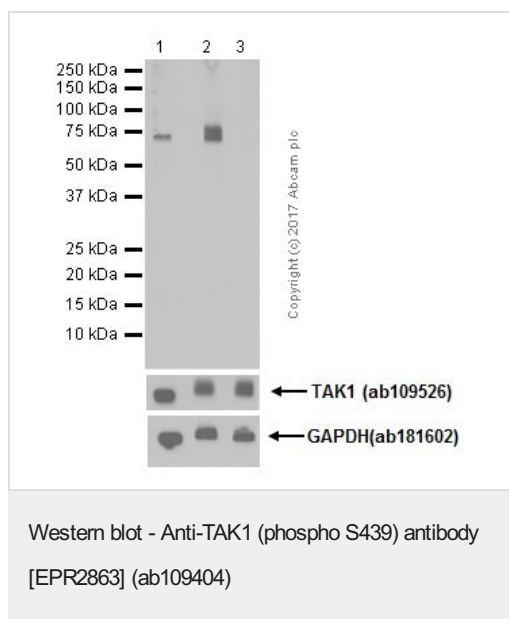
アプリケーション	Abreviews	特記事項
Dot blot		Use at an assay dependent concentration.
WB		1/1000 - 1/10000. Detects a band of approximately 75 kDa (predicted molecular weight: 67 kDa).
IP		1/10 - 1/100.

追加情報 Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

ターゲット情報

機能	Component of a protein kinase signal transduction cascade. Mediator of TRAF6 and TGF-beta signal transduction. Activates IKKB and MAPK8 in response to TRAF6 signaling. Stimulates NF-kappa-B activation and the p38 MAPK pathway. In osmotic stress signaling, plays a major role in the activation of MAPK8/JNK, but not that of NF-kappa-B.
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	Association with TAB1/MAP3K7IP1 promotes autophosphorylation and subsequent activation. Association with TAB2/MAP3K7IP2, itself associated with free unanchored Lys-63 polyubiquitin chain, promotes autophosphorylation and subsequent activation of MAP3K7. Dephosphorylation at Thr-187 by PP2A and PPP6C leads to inactivation. Ubiquitinated, leading to proteasomal degradation (By similarity). Requires 'Lys-63'-linked polyubiquitination for autophosphorylation and subsequent activation. 'Lys-63'-linked ubiquitination does not lead to proteasomal degradation. Deubiquitinated by CYLD, a protease that selectively cleaves 'Lys-63'-linked ubiquitin chains. Deubiquitinated by Y. enterocolitica YopP.

画像



All lanes : Anti-TAK1 (phospho S439) antibody [EPR2863] (ab109404) at 1/1000 dilution

Lane 1 : HeLa whole cell lysate

Lane 2 : HeLa treated with 100nM Calyculin A and 20ng/ml human IL-1 β for 10 minutes whole cell lysate

Lane 3 : HeLa treated with 100nM Calyculin A and 20ng/ml human IL-1 β for 10 minutes whole cell lysate. Then the membrane was incubated with alkaline phosphatase.

Lysates/proteins at 10 μ g per lane.

Secondary

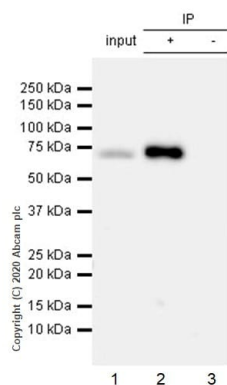
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 67 kDa

Observed band size: 75 kDa

Exposure time: 10 seconds

Dilution and blocking buffer: 5% NFDM/TBST.



Immunoprecipitation - Anti-TAK1 (phospho S439) antibody [EPR2863] (ab109404)

Purified ab109404 at 1/50 dilution (2µg) immunoprecipitating TAK1 in HeLa treated with 100nM Calyculin A and 20ng/ml human IL-1 beta for 10min whole cell lysate.

Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) treated with 100nM Calyculin A and 20ng/ml human IL-1 beta for 10min whole cell lysate 10µg

Lane 2 (+): ab109404 + HeLa treated with 100nM Calyculin A and 20ng/ml human IL-1 beta for 10min whole cell lysate.

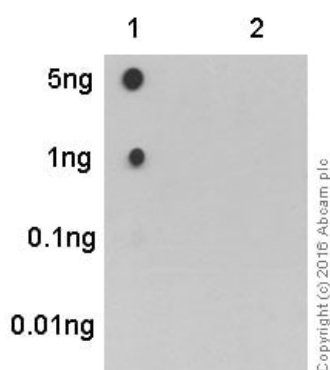
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab239974** in HeLa treated with 100nM Calyculin A and 20ng/ml human IL-1 beta for 10min whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

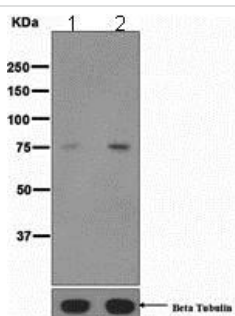
Observed band size: 75 kDa



Dot Blot - Anti-TAK1 (phospho S439) antibody [EPR2863] (ab109404)

Dot Blot analysis of Lane 1: TAK1 (phospho S439) phospho peptide and Lane 2: TAK1 non-phospho peptide labeling TAK1 (phospho S439) with ab109404 at 1/1000 dilution (0.009 µg/ml). 5% NFDm/TBST was used as the diluting and blocking buffer.

ab97051 Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated was used as the secondary antibody at 1/100,000 dilution. Exposure time: 3 minutes.



Western blot - Anti-TAK1 (phospho S439) antibody [EPR2863] (ab109404)

All lanes : Anti-TAK1 (phospho S439) antibody [EPR2863] (ab109404) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : HeLa cell lysate treated with transforming growth factor-beta (TGF-beta)

Lysates/proteins at 10 µg per lane.

Predicted band size: 67 kDa

Observed band size: 75 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-TAK1 (phospho S439) antibody [EPR2863]
(ab109404)

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