
Phospho-TAK1 (Thr187) Rabbit pAb

Catalog Number: bs-3438R

Target Protein: Phospho-TAK1 (Thr187)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg/Test)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Pig, Cow, Chicken, Horse)

Predicted MW: 67 kDa

Entrez Gene: 6885

Swiss Prot: O43318

Source: KLH conjugated Synthesised phosphopeptide derived from human TAK1 around the phosphorylation site of Thr187: HM(p-T)NN.

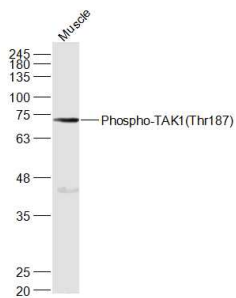
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

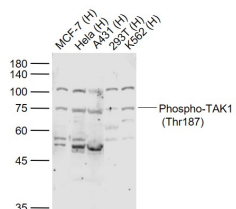
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

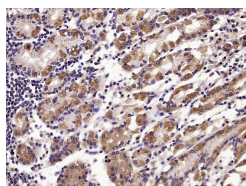
VALIDATION IMAGES



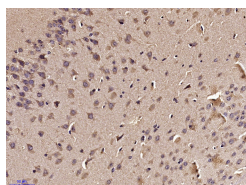
Sample: Muscle (Mouse) Lysate at 40 ug Primary: Anti-Phospho-TAK1(Thr187) (bs-3438R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 67 kD Observed band size: 70 kD



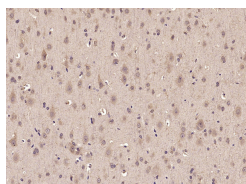
Sample: Lane 1: MCF-7 (Human) Cell Lysate at 30 ug Lane 2: HeLa (Human) Cell Lysate at 30 ug Lane 3: A431 (Human) Cell Lysate at 30 ug Lane 4: 293T (Human) Cell Lysate at 30 ug Lane 5: K562 (Human) Cell Lysate at 30 ug Primary: Anti-Phospho-TAK1 (Thr187) (bs-3438R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 78 kD Observed band size: 75 kD



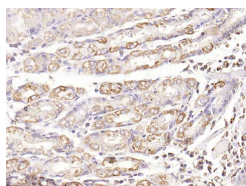
Paraformaldehyde-fixed, paraffin embedded (Human stomach); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Phospho-TAK1(Thr187)) Polyclonal Antibody, Unconjugated (bs-3438R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Phospho-TAK1(Thr187)) Polyclonal Antibody, Unconjugated (bs-3438R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Phospho-TAK1(Thr187)) Polyclonal Antibody, Unconjugated (bs-3438R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-TAK1 (Thr187)) Polyclonal Antibody, Unconjugated (bs-3438R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=12.2] Yue Dong. et al. Desulfovibrio vulgaris flagellin exacerbates colorectal cancer through activating LRRC19/TRAF6/TAK1 pathway. GUT MICROBES. 2024 Dec 24 IHC,WB ; Mouse,Human . 39718561

[IF=6.1] Dongxue Song. et al. Purple Sweet Potato Polysaccharide Exerting an Anti-inflammatory Effect via a TLR-Mediated Pathway by Regulating Polarization and Inhibiting the Inflammasome Activation. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX WB ; Mouse . 38233194

[IF=3.53] Dvashi Z, Goldberg M, Adir O, Shapira M, Pollack A (2015) TGF-β1 Induced Transdifferentiation of RPE Cells is Mediated by TAK1.

PLoS ONE 10(4): e0122229. Other ; ="Human" . 25849436

[IF=3.067] Zhou G et al. TGF- β 1 alleviates HgCl₂ induced apoptosis via P38 MAPK signaling pathway in human trophoblast cells. Toxicol In Vitro. 2019 Aug 13;61:104626. ICC ; Human . 31419505

[IF=0.76] Dvashi, Z., et al. "Aberrant Activity of TAK1 is Associated with Retinal Pathology." Journal of Cytology and Histology 5 (2016): 2. IHC ; ="Human" . 10.4172/2157-7099.1000s5:007