bs-5435R

[Primary Antibody]

phospho-TAK1 (Ser192) Rabbit pAb



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- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 6885 **SWISS:** 043318

Target: TAK1 (Ser192)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

TAK1 around the phosphorylation site of Ser192: KG(p-S)AA.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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]

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500)

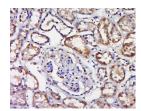
Reactivity: Human (predicted: Mouse,

Rat, Rabbit, Pig, Cow, Chicken, Horse)

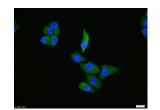
Predicted MW.: 67 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Tissue/cell: human kidney tissue; 4%
Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Phospho-TAK1(Ser192)Polyclonal Antibody, Unconjugated(bs-5435R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-TAK1 (Ser192)) polyclonal Antibody, Unconjugated (bs-5435R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

- SELECTED CITATIONS -

- [IF=14.7] Anne T. Schneider. et al.A decision point between transdifferentiation and programmed cell death priming controls KRAS-dependent pancreatic cancer development.NATURE COMMUNICATIONS.2025 Feb 19;16(1):1765. IHC :Human. 39971907
- [IF=14.6] Xiaohui Zhang. et al. Melatonin receptor 1a alleviates sleep fragmentation-aggravated testicular injury in

T2DM by suppression of TAB1/TAK1 complex through FGFR1. ACTA PHARM SIN B. 2025 May;: WB; Mouse. 10.1016/j.apsb.2025.05.018

- [IF=5.1] Guo Yueting. et al. Immunoproteasome Subunit Low Molecular Mass Peptide 2 (LMP2) Deficiency Ameliorates LPS/Aβ1-42-Induced Neuroinflammation. MOL NEUROBIOL. 2023 Aug;;1-14 WB,IHC,ICC; Rat. 37568045
- [IF=4.225] Jianwei Fan. et al. Baicalin Ameliorates Pancreatic Fibrosis by Inhibiting the Activation of Pancreatic Stellate Cells in Mice with Chronic Pancreatitis. Front Pharmacol. 2020; 11: 607133 Other; 33536916
- [IF=2.21] Su, Xuesong, et al. "The PPARβ/δ Agonist GW501516 Attenuates Peritonitis in Peritoneal Fibrosis via Inhibition of TAK1–NFκB Pathway in Rats." Inflammation 37.3 (2014): 729-737. WB; Rat. 24337677