

**bs-5435R****[ Primary Antibody ]****phospho-TAK1 (Ser192) Rabbit pAb****BioSS**  
**ANTIBODIES**

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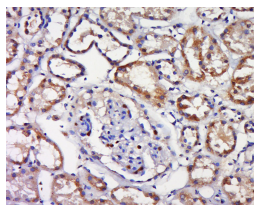
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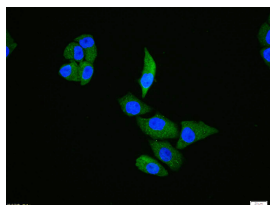
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 6885	<b>SWISS:</b> O43318	<b>IF</b> (1:100-500)
<b>Target:</b> TAK1 (Ser192)		<b>ICC/IF</b> (1:100)
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human TAK1 around the phosphorylation site of Ser192: KG(p-S)AA.		<b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Chicken, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 67 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Background:</b> 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 —**

Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; 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

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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/A $\beta$ 1-42-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 PPAR $\beta$ / $\delta$  Agonist GW501516 Attenuates Peritonitis in Peritoneal Fibrosis via Inhibition of TAK1–NF $\kappa$ B Pathway in Rats."Inflammation 37.3 (2014): 729-737. WB ;Rat. 24337677