

bs-3440R**[Primary Antibody]****phospho-TBK1 (Ser172) Rabbit pAb****Bioss**
ANTIBODIES

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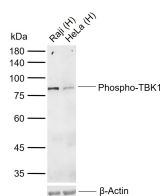
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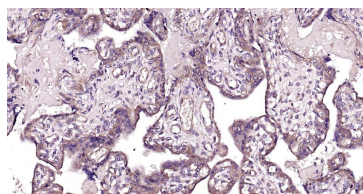
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DATASHEET

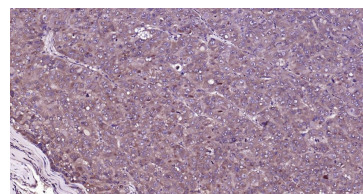
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 29110	SWISS: Q9UHD2	
Target: TBK1 (Ser172)		Reactivity: Human, Mouse, Rat
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human TBK1 around the phosphorylation site of Ser172: FV(p-S)LY.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 84 kDa
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.		Subcellular Location: Cytoplasm
Background: The NF-kappa-B (NFKB) complex of proteins is inhibited by I-kappa-B (IKB) proteins, which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the IKB proteins by IKB kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation and nuclear translocation of the NFKB complex. The protein encoded by this gene is similar to IKB kinases and can mediate NFKB activation in response to certain growth factors. [provided by RefSeq, Oct 2010]		

VALIDATION IMAGES

Sample: Lane 1: Human Raji cell lysates Lane 2: Human HeLa cell lysates Primary: Anti-Phospho-TBK1 (Ser172) (bs-3440R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 84 kDa Observed band size: 84 kDa



Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-TBK1 (Ser172) Polyclonal Antibody, Unconjugated (bs-3440R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-TBK1 (Ser172) Polyclonal Antibody, Unconjugated (bs-3440R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.

SELECTED CITATIONS

- **[IF=52.7]** She Han. et al. Arginase 1 drives mitochondrial cristae remodeling and PANoptosis in ischemia/hypoxia-induced vascular dysfunction. SIGNAL TRANSDUCT TAR. 2025 May;10(1):1-20 WB ;Rat. 40425583
- **[IF=12.12]** Takahashi et al. Downregulation of cytoplasmic DNases is implicated in cytoplasmic DNA accumulation and SASP in senescent cells. Nat Commun. 2018 Mar 28;9(1):1249. ICC ;Mouse. 29593264
- **[IF=11.7]** Ran Cheng. et al. Intratumoral antigen-presenting cell activation by a nanovesicle for the concurrent tertiary lymphoid structure de novo neogenesis. science advances. 2025 Feb 21;11(8):eadr1299. ;Mouse. 39970209
- **[IF=8]** Xiaomei Jiang. et al. A pH-Sensitive Nanoparticle as Reactive Oxygen Species Amplifier to Regulate Tumor Microenvironment and Potentiate Tumor Radiotherapy. INT J NANOMED. 2024 Jan 22 WB ;MOUSE. 10.2147/IJN.S436160
- **[IF=5.834]** Xuan Zhou. et al. The role of chemerin in the regulation of cGAS-STING pathway in gestational diabetes

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mellitus placenta. FASEB J. 2023 Feb;37(3):e22806 IHC ;Human. 36786722