bs-7497R **[Primary Antibody]**

TBK1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 29110 **SWISS:** Q9UHD2

Target: TBK1

Immunogen: KLH conjugated synthetic peptide derived from human TBK1: 131-230/729.

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 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]

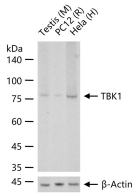
Applications: **WB** (1:1000-5000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat

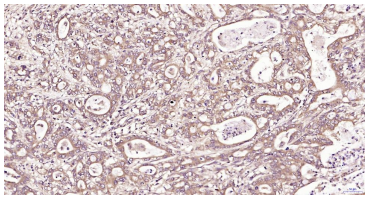
Predicted MW.: 84 kDa

Subcellular Location: Cytoplasm

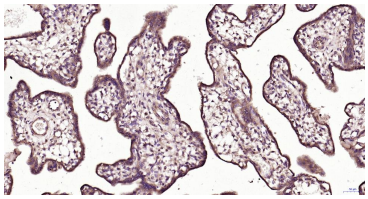
VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with TBK1 polyclonal antibody, unconjugated (bs-7497R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Pancreatic Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with TBK1 Polyclonal Antibody, Unconjugated (bs-7497R) 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 Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with TBK1 Polyclonal Antibody, Unconjugated (bs-7497R) 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=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=4.784]** Wan B et al. Porcine FcγRIIb mediated PRRSV ADE infection through inhibiting IFN-β by cytoplasmic inhibitory signal transduction. Int J Biol Macromol. 2019 Jul 5;138:198-206. WB ;Monkey. 31284005
- **[IF=5.191]** Huiqing Hu. et al. cGAS-STING mediates cytoplasmic mitochondrial-DNA-induced inflammatory signal transduction during accelerated senescence of pancreatic β-cells induced by metabolic stress. Faseb J. 2022 May;36(5):e22266 WB ;Mouse. 35357035

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=5.3]** Yuanjia Huang. et al. Enhancing Tumor-Specific immunity with SLdacA: A attenuated Salmonella-mediated c-di-AMP delivery system targeting the STING pathway. INT J PHARMACEUT. 2024 Dec;666:124759 WB ;Mouse. 39332458

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