

Rabbit TBK Polyclonal Antibody | anti-TBK1 antibody

TBK Antibody (S172)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287875	Rabbit	Human (Predicted Reactivity: Mouse, Xenopus)	Immunohistochemistry, ELISA, Western Blot

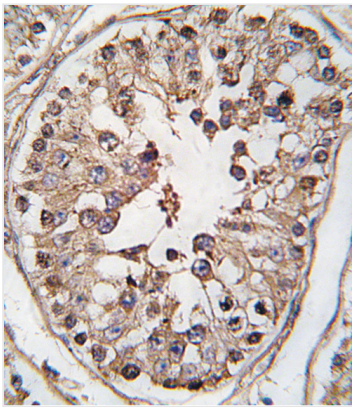
PRODUCT SYNONYMS

TBK; Polyclonal Antibody; TBK Antibody (S172); Serine/threonine-protein kinase TBK1; NF-kappa-B-activating kinase; T2K; TANK-binding kinase 1; TBK1; NAK; anti-TBK1 antibody

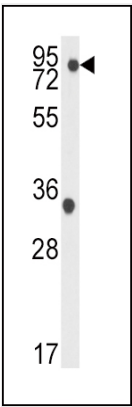
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TBK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 150-181 amino acids from human TBK.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	150-181
Sequence Length	729
Applicable Applications for anti-TBK1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human testis tissue reacted with TBK-pS172, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-TBK Antibody (S172) in K562 cell line lysates (35ug/lane). TBK1(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-TBK1 antibody	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. TKB is similar to IKB kinases and can mediate NFKB activation in response to certain growth factors. The protein can form a complex with the IKB protein TANK and TRAF2 and release the NFKB inhibition caused by TANK.
Product Categories/Family for anti-TBK1 antibody	Signal Transduction
References	Deng,W., J. Biol. Chem. 283 (51), 35590-35597 (2008) Chessler,A.D., J. Immunol. 181 (11), 7917-7924 (2008) Soulat,D., EMBO J. 27 (15), 2135-2146 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7019547
NCBI GeneID	29110
NCBI Accession #	NP_037386.1
NCBI GenBank Nucleotide #	NM_013254.3
UniProt Accession #	Q9UHD2; Q8IYV3; Q9NUJ5; A8K4S4
Molecular Weight	83642
NCBI Official Full Name	serine/threonine-protein kinase TBK1
NCBI Official Synonym Full Names	TANK-binding kinase 1
NCBI Official Symbol	TBK1
NCBI Official Synonym Symbols	NAK; T2K
NCBI Protein Information	serine/threonine-protein kinase TBK1
UniProt Protein Name	Serine/threonine-protein kinase TBK1
UniProt Gene Name	TBK1

UniProt Synonym Gene Names	NAK
UniProt Entry Name	TBK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tbk-antibody-immunohistochemistry-western-blot-elisa/287875>