

Rabbit anti-Human, mouse TPK1 Polyclonal Antibody | anti-TPK1 antibody

TPK1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288148	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

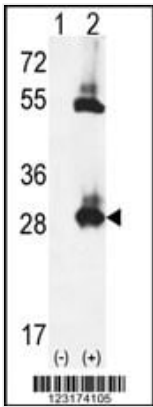
PRODUCT SYNONYMS

TPK1; Polyclonal Antibody; TPK1 Antibody (N-term); Thiamin pyrophosphokinase 1; hTPK1; Placental protein 20; PP20; Thiamine pyrophosphokinase 1; anti-TPK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TPK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 34-61 amino acids from the N-terminal region of human TPK1.
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: 0.45 (varies by lot)
Sequence Positions	34-61
Sequence Length	243
Applicable Applications for anti-TPK1 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.

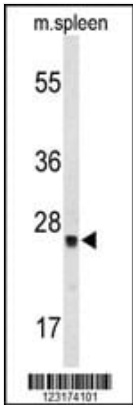
IMAGES



WB (Western Blot)
Western blot analysis of TPK1 (arrow) using rabbit polyclonal TPK1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the TPK1 gene.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human testis tissue reacted with TPK1 Antibody (N-term), 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 TPK1 Antibody (N-term) in mouse spleen tissue lysates (35ug/lane). TPK1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-TPK1 antibody	TPK1 is a protein, that exists as a homodimer, which catalyzes the conversion of thiamine to thiamine pyrophosphate.
References	Bohn,H. et.al., Arch. Gynecol. 236 (4), 235-242 (1985)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21362110
NCBI GeneID	27010
NCBI Accession #	NP_071890.2
NCBI GenBank Nucleotide #	NM_022445.3
UniProt Accession #	Q9H3S4; Q6NUR5; Q9H602; A8K0T7; D3DWG0; I6L9B8
Molecular Weight	27265
NCBI Official Full Name	thiamin pyrophosphokinase 1 isoform a
NCBI Official Synonym Full Names	thiamin pyrophosphokinase 1
NCBI Official Symbol	TPK1

NCBI Official Synonym Symbols	PP20; HTPK1; THMD5
NCBI Protein Information	thiamin pyrophosphokinase 1
UniProt Protein Name	Thiamin pyrophosphokinase 1
UniProt Gene Name	TPK1
UniProt Synonym Gene Names	hTPK1; PP20
UniProt Entry Name	TPK1_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/tpk1-antibody-immunohistochemistry-western-blot-elisa/288148>