

Rabbit TTK Polyclonal Antibody | anti-TTK antibody

Phospho-TTK (Thr676) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329751	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (82%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (91%), Dog (91%), Chicken (82%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TTK; Polyclonal Antibody; Phospho-TTK (Thr676) Antibody; cancer/testis antigen 96; CT96; Dual specificity protein kinase TTK; ECSTY kinase; ESK; FLJ38280; hMPS1; Monopolar Spindle 1 Like 1; MPH1; Mps 1; MPS1L1; Phosphotyrosine Picked Threonine Kinase; Phosphotyrosine picked threonine-protein kinase; PYT; RP3-357D13.2; ttk; TTK Protein Kinase; TTK_HUMAN; anti-TTK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (82%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (91%), Dog (91%), Chicken (82%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-TTK (Thr676) Antibody detects endogenous levels of TTK only when phosphorylated at Thr676. Tissue Specificity: Present in rapidly proliferating cell lines.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TTK antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TTK around the phosphorylation site of Thr676.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Interacts with TPR; the interactions occurs in a microtubule-independent manner.
Similarity	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
At 1/200 staining Mouse testis tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/200 staining Rat liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of TTK (Phospho-Thr676) using serum treated COLO205 whole cell lysates. -/+ means absence or presence of N peptide/non-phospho peptide) and P peptide(phospho peptide).



WB (Western Blot)
Western blot analysis of extracts from 293, using TTK (Phospho-Thr676) Antibody.



WB (Western Blot)
Western blot analysis of extracts from Hela cells(serum starvation treatment), using Phospho-TTK (Thr676) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TTK antibody	Phosphorylates proteins on serine, threonine, and tyrosine. Probably associated with cell proliferation. Essential for chromosome alignment by enhancing AURKB activity (via direct CDCA8 phosphorylation) at the centromere, and for the mitotic checkpoint.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	262399361
NCBI GeneID	7272
NCBI Accession #	NP_001160163.1
NCBI GenBank Nucleotide #	NM_001166691.1
UniProt Accession #	P33981; Q15272; Q5TCS0; Q9BW51; Q9NTM0; A8K8U5; B2RDW2; E1P543
Molecular Weight	97,072 Da
NCBI Official Full Name	dual specificity protein kinase TTK isoform 2
NCBI Official Synonym Full Names	TTK protein kinase
NCBI Official Symbol	TTK
NCBI Official Synonym Symbols	ESK; PYT; CT96; MPH1; MPS1; MPS1L1
NCBI Protein Information	dual specificity protein kinase TTK; cancer/testis antigen 96; monopolar spindle 1-like 1; phosphotyrosine picked threonine kinase; phosphotyrosine picked threonine-protein kinase
UniProt Protein Name	Dual specificity protein kinase TTK
UniProt Gene Name	TTK
UniProt Synonym Gene Names	MPS1; MPS1L1; PYT

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/ttk-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329751>