

Rabbit TTK/Mps1/TTK Polyclonal Antibody | anti-TTK antibody

Anti-TTK/Mps1/TTK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125416	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TTK/Mps1/TTK; Polyclonal Antibody; Anti-TTK/Mps1/TTK Antibody; Dual specificity protein kinase TTK; Phosphotyrosine picked threonine-protein kinase; PYT; TTK; MPS1; MPS1L1; anti-TTK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	856
Applicable Applications for anti-TTK antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human TTK/Mps1/TTK recombinant protein (Position: Q487-S821).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

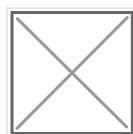
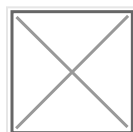
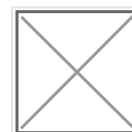

WB (Western Blot)

Figure 1. Western blot analysis of TTK using anti-TTK antibody.


IHC (Immunohistochemistry)

IHC (Immunohistochemistry)

IF (Immunofluorescence)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-TTK antibody	<p>Description: Rabbit IgG polyclonal antibody for TTK/Mps1/TTK detection. Tested with WB, IHC-P, ICC/IF, FCM, Direct ELISA in Human; Mouse; Rat.</p> <p>Background: Dual specificity protein kinase TTK is a protein that in humans is encoded by the XRCC2 gene. This gene is mapped to 6q14.1. This gene encodes a dual specificity protein kinase with the ability to phosphorylate tyrosine, serine and threonine. Associated with cell proliferation, this protein is essential for chromosome alignment at the centromere during mitosis and is required for centrosome duplication. It has been found to be a critical mitotic checkpoint protein for accurate segregation of chromosomes during mitosis. Tumorigenesis may occur when this protein fails to degrade and produces excess centrosomes resulting in aberrant mitotic spindles. Alternative splicing results in multiple transcript variants.</p>
References	<p>1. Lindberg, R. A., Fischer, W. H., Hunter, T. Characterization of a human protein threonine kinase isolated by screening an expression library with antibodies to phosphotyrosine. <i>Oncogene</i> 8: 351-359, 1993.</p> <p>2. Mills, G. B., Schmandt, R., McGill, M., Amendola, A., Hill, M., Jacobs, K., May, C., Rodricks, A.-M., Campbell, S., Hogg, D. Expression of TTK, a novel human protein kinase, is associated with cell proliferation. <i>J. Biol. Chem.</i> 267: 16000-16006, 1992.</p> <p>3. Poss, K. D., Wilson, L. G., Keating, M. T. Heart regeneration in zebrafish. <i>Science</i> 298: 2188-2190, 2002.</p>

NCBI AND UNIPROT INFORMATION

NCBI GI #	262399361
NCBI GeneID	7272
NCBI Accession #	NP_001160163.1
NCBI GenBank Nucleotide #	NP_001160163.1
UniProt Accession #	P33981
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
UniProt Protein Name	Dual specificity protein kinase TTK
UniProt Gene Name	TTK
UniProt Synonym Gene Names	MPS1; MPS1L1; PYT
UniProt Entry Name	TTK_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.