

Mouse anti-Human MPS1/TTK Monoclonal Antibody | anti-MPS1/TTK antibody

Anti-MPS1/TTK Antibody (clone 3G7)

CATALOG # AAA162282	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

MPS1/TTK; Monoclonal Antibody; Anti-MPS1/TTK Antibody (clone 3G7); Mouse Monoclonal (IgG1) to Human MPS1/TTK; TTK; Cancer/testis antigen 96; ESK; Esk1; MPS1; MPS1L1; Protein kinase esk; PYT; TTK protein kinase; CT96; Monopolar spindle 1-like 1; anti-MPS1/TTK antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	3G7
Specificity	Human MPS1/TTK
Purity/Purification	Purified from ascites by Protein A
Form/Format	PBS, pH 7.4.
Sequence Length	857
Applicable Applications for anti-MPS1/TTK antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	TTK (AAH00633, aa1-176 partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C or lower. Aliquot to avoid repeated freezing and thawing.

IMAGES



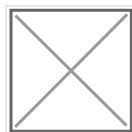
ELISA

Detection limit for recombinant GST tagged TTK is approximately 0.3 ng/ml as a capture antibody.



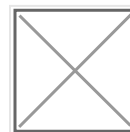
WB (Western Blot)

TTK monoclonal antibody (M01), clone 3G7 Western Blot analysis of TTK expression in K-562.



WB (Western Blot)

Western Blot analysis of TTK expression in transfected 293T cell line by TTK monoclonal antibody (M01), clone 3G7. Lane 1: TTK transfected lysate(97.1 KDa). Lane 2: Non-transfected lysate.



WB (Western Blot)

TTK monoclonal antibody (M01), clone 3G7. Western Blot analysis of TTK expression in HeLa.



IHC (Immunohistochemistry)

Anti-MPS1/TTK antibody IHC staining of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-MPS1/TTK antibody	MPS1/TTK is 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.
Product Categories/Family for anti-MPS1/TTK antibody	Protein Kinase; TTK

NCBI AND UNIPROT INFORMATION

NCBI GI #	23308722
NCBI GeneID	7272
NCBI Accession #	NP_003309.2
NCBI GenBank Nucleotide #	NM_003318.4
UniProt Accession #	P33981; Q15272; Q5TCS0; Q9BW51; Q9NTM0; A8K8U5; B2RDW2; E1P543
Molecular Weight	96,944 Da
NCBI Official Full Name	dual specificity protein kinase TTK isoform 1
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

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/monoclonal/mps1-ttk-antibody-clone-3g7-western-blot-immunohistochemistry-elisa/162282>