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Product datasheet for TA811809BM

Mps1 (TTK) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI1D4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1D4
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 189-464 of human TTK (NP_003309) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	96.9 kDa
Gene Name:	TTK protein kinase
Database Link:	NP_003309 Entrez Gene 7272 Human P33981

View online »

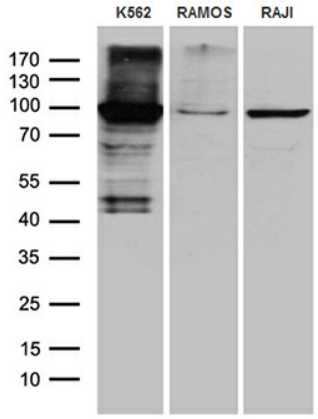
Background: This gene encodes a dual specificity protein kinase with the ability to phosphorylate tyrosine, serine and threonine. Associated with cell proliferation, this protein is essential for chromosome alignment at the centromere during mitosis and is required for centrosome duplication. It has 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. [provided by RefSeq, Nov 2009]

Synonyms: CT96; ESK; MPH1; MPS1; MPS1L1; PYT

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Cell cycle, Oocyte meiosis, TGF-beta signaling pathway, Ubiquitin mediated proteolysis, Wnt signaling pathway

Product images:



Western blot analysis of extracts (35ug) from 3 different cell lines by using anti-TTK monoclonal antibody (1:500).