



Rabbit Anti-MPS1 antibody

SL7850R

Product Name:	MPS1
Chinese Name:	单极纺锤体蛋白激酶1抗体
Alias:	Dual specificity protein kinase TTK; ECSTY kinase; ESK; FLJ38280; hMPS1; Monopolar Spindle 1 Like 1; Mps 1; Mps-1; MPS1L1; Phosphotyrosine Picked Threonine Kinase; PYT; TTK; TTK Protein Kinase; TTK HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	95kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MPS1:601-700/857
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Mps1 (TTK) is a tyrosine and serine/threonine dual-specificity kinase required for centrosome duplication and the spindle checkpoint and has recently been shown to have a role in centrosome duplication. Alterations to Mps1 have been associated with cell transformation and chromosome instability in different tumor models. It is present in rapidly proliferating cell lines.

Function:

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.

Tissue Specificity:

Present in rapidly proliferating cell lines.

Similarity:

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Contains 1 protein kinase domain.

SWISS:

P33981

Gene ID:

7272

Database links:

UniProtKB/Swiss-Prot: P33981.2

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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