

Anti-MPS1 / TTK Antibody (clone 3G7)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17925**Specification**

Anti-MPS1 / TTK Antibody (clone 3G7) - Product Information

Application	WB, IHC-P, E
Primary Accession	P33981
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Calculated MW	97072
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

Anti-MPS1 / TTK Antibody (clone 3G7) - Additional Information**Gene ID 7272**

Alias Symbol TTK

Other Names

TTK, Cancer/testis antigen 96, ESK, Esk1, MPS1, MPS1L1, Protein kinase esk, PYT, TTK protein kinase, CT96, Monopolar spindle 1-like 1

Target/Specificity

Human MPS1 / TTK

Reconstitution & Storage

Protein A purified

Precautions

Anti-MPS1 / TTK Antibody (clone 3G7) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-MPS1 / TTK Antibody (clone 3G7) - Protein Information**Name** TTK**Synonyms** MPS1, MPS1L1**Function**

Involved in mitotic spindle assembly checkpoint signaling, a process that delays anaphase until chromosomes are bioriented on the spindle, and in the repair of incorrect mitotic kinetochore-spindle microtubule attachments (PubMed:18243099, PubMed:28441529, PubMed:28441529).

href="http://www.uniprot.org/citations/29162720" target="_blank">29162720).
Phosphorylates MAD1L1 to promote the mitotic spindle assembly checkpoint (PubMed:18243099, PubMed:29162720).
Phosphorylates CDCA8/Borealin leading to enhanced AURKB activity at the kinetochore (PubMed:18243099).
Phosphorylates SKA3 at 'Ser-34' leading to dissociation of the SKA complex from microtubules and destabilization of microtubule-kinetochore attachments (PubMed:28441529).
Phosphorylates KNL1, KNTC1 and autophosphorylates (PubMed:28441529).
Phosphorylates MCRS1 which enhances recruitment of KIF2A to the minus end of spindle microtubules and promotes chromosome alignment (PubMed:30785839).

Tissue Location

Present in rapidly proliferating cell lines.

Anti-MPS1 / TTK Antibody (clone 3G7) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-MPS1 / TTK Antibody (clone 3G7) - Images