

Product datasheet

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ARG58947 anti-TTK / MPS1 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes TTK / MPS1

Tested Reactivity Hu, Ms, Rat
Tested Application ICC/IF, WB
Host Rabbit
Clonality Polyclonal
Isotype IgG

Target Name TTK / MPS1

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 517-856 of Human TTK / MPS1 (NP_001160163.1).

Conjugation Un-conjugated

Alternate Names MPS1L1; Dual specificity protein kinase TTK; PYT; EC 2.7.12.1; MPH1; Phosphotyrosine picked threonine-

protein kinase; MPS1; CT96; ESK

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse spleen	
Observed Size	105 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol TTK

Gene Full Name TTK protein kinase

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]

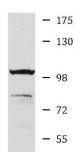
Function Phosphorylates proteins on serine, threonine, and tyrosine. Probably associated with cell proliferation.

Essential for chromosome alignment by enhancing AURKB activity (via direct CDCA8 phosphorylation)

at the centromere, and for the mitotic checkpoint. [UniProt]

Calculated Mw 97 kDa

Images



Mouse spleen

ARG58947 anti-TTK / MPS1 antibody WB image

Western blot: 25 μg of Mouse spleen lysate stained with ARG58947 anti-TTK / MPS1 antibody at 1:1000 dilution.