

# Product Datasheet

## TTK Antibody (4G9) - Azide and BSA Free H00007272-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00007272-M02**

TTK Antibody (4G9) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4G9
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

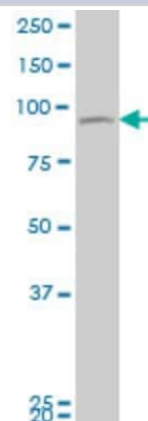
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	7272
Gene Symbol	TTK
Species	Human
Specificity/Sensitivity	TTK (4G9)
Immunogen	TTK (AAH00633, 1 a.a. ~ 176 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MESEDLGRELTIIDSIMNKVRDIKNKFKNEDLTDELSLNKISADTTDNSGTVNQL MMMANNPEDWLSLLLKLEKNSVPLSDALLNKLIGRYSQAIEALPPDKYGQNESF ARIQVRFAELKAIQEPDDARDYFQMARANCKKFAFVHISFAQFELSQGNVKKSK QLLQKAVERGAVP
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has been used for ELISA. ICC/IF usage was reported in scientific literature.

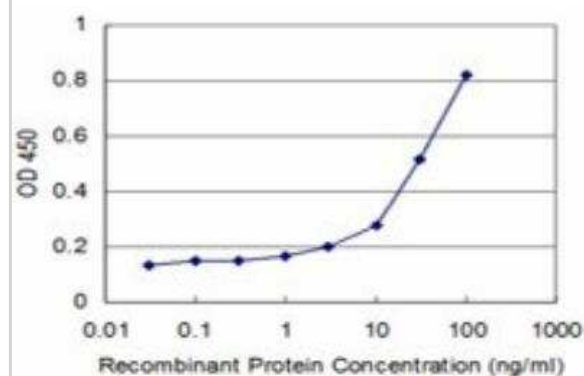


## Images

Western Blot: TTK Antibody (4G9) [H00007272-M02] - TTK monoclonal antibody (M02), clone 4G9 Analysis of TTK expression in Jurkat.



ELISA: TTK Antibody (4G9) [H00007272-M02] - Detection limit for recombinant GST tagged TTK is approximately 0.3ng/ml as a capture antibody.



## Publications

Sawant DB, Majumder S, Perkins JL et al. Centrin 3 is an inhibitor of centrosomal Mps1 and antagonizes Centrin 2 function. *Mol. Biol. Cell* 2015-09-09 [PMID: 26354417] (ICC/IF, Human)

Kasbek C, Yang CH, Fisk HA. Antizyme restrains centrosome amplification by regulating the accumulation of Mps1 at centrosomes. *Mol Biol Cell*. 2010-11-15 [PMID: 20861309] (ICC/IF, Human)

Majumder S, Fisk HA. VDAC3 and Mps1 negatively regulate ciliogenesis *Cell Cycle* 2013-03-01 [PMID: 23388454] (ICC/IF, Human)

Majumder S, Slabodnick M, Pike A et al. VDAC3 regulates centriole assembly by targeting Mps1 to centrosomes *Cell Cycle* 2012-08-30 [PMID: 22935710] (WB, ICC/IF, Human)



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### **Products Related to H00007272-M02**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
P4790	Recombinant Human TTK His-GST Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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