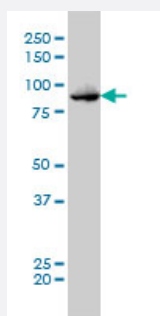


TTK monoclonal antibody (M01), clone 3G7

Catalog # H00007272-M01

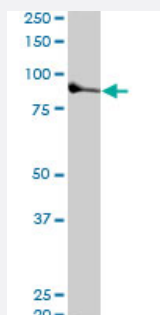
Size 100 ug

Applications



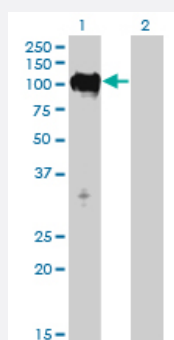
Western Blot (Cell lysate)

TTK monoclonal antibody (M01), clone 3G7 Western Blot analysis of TTK expression in K-562 (Cat # L009V1).



Western Blot (Cell lysate)

TTK monoclonal antibody (M01), clone 3G7. Western Blot analysis of TTK expression in HeLa (Cat # L013V1).



Western Blot (Transfected lysate)

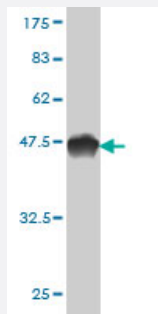
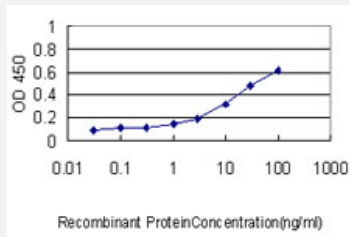
Western Blot analysis of TTK expression in transfected 293T cell line by TTK monoclonal antibody (M01), clone 3G7.

Lane 1: TTK transfected lysate(97.1 KDa).

Lane 2: Non-transfected lysate.

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TTK is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (44.99 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TTK.
Immunogen	TTK (AAH00633, 1 a.a. ~ 176 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MESEDLSGRELTIDSIMNKVRDIKNKFKNEDLTDELSLNKISADTTDNSGTVNQIMMMANNPEDWLSLLLKLEKNSVPLSDALLNKLIGRYSQAIEALPPDKYQNESFARIQVRFAELKAIQEPDDARDYFQMARANCKKFAFVHISFAQFELSQGNVKKSKQLLQKAVERGAVP
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (44.99 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

TTK monoclonal antibody (M01), clone 3G7 Western Blot analysis of TTK expression in K-562 (Cat # L009V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

TTK monoclonal antibody (M01), clone 3G7. Western Blot analysis of TTK expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of TTK expression in transfected 293T cell line by TTK monoclonal antibody (M01), clone 3G7.

Lane 1: TTK transfected lysate(97.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TTK is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — TTK

Entrez GeneID [7272](#)

GeneBank Accession# [BC000633](#)

Protein Accession# [AAH00633](#)

Gene Name TTK

Gene Alias ESK, FLJ38280, MPS1, MPS1L1, PYT

Gene Description TTK protein kinase

Omim ID	604092
Gene Ontology	Hyperlink
Other Designations	phosphotyrosine picked threonine kinase (PYT)

Publication Reference

- [High frequency of TTK mutations in microsatellite-unstable colorectal cancer and evaluation of their effect on spindle-assembly checkpoint.](#)

Niittymäki I, Gylfe A, Laine L, Laakso M, Lehtonen HJ, Kondelin J, Tolvanen J, Nousiainen K, Pouwels J, Jarvinen H, Nuorva K, Mecklin JP, Makinen M, Ristimäki A, Orntoft TF, Hautaniemi S, Karhu A, Kallio MJ, Aaltonen LA.

Carcinogenesis 2011 Mar; 32(3):305.

Application: WB, Human, LoVo, HCT8, HCT116, HCA7, VACO5, RKO cells

Pathway

- [Cell cycle](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)