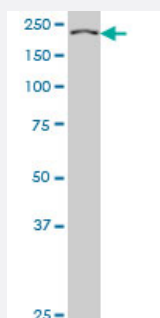


KNTC1 monoclonal antibody (M01), clone 10H4

Catalog # H00009735-M01

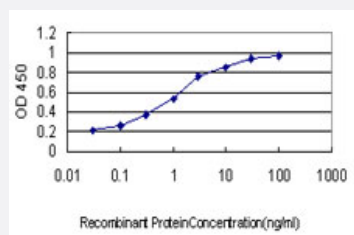
Size 100 ug

Applications



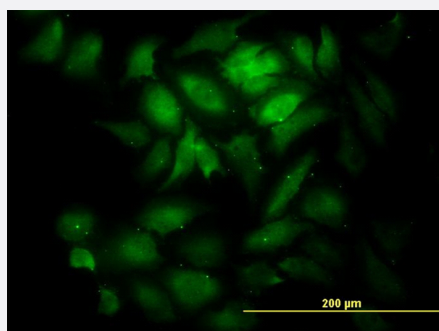
Western Blot (Cell lysate)

KNTC1 monoclonal antibody (M01), clone 10H4 Western Blot analysis of KNTC1 expression in HeLa S3 NE (Cat # L013V3).



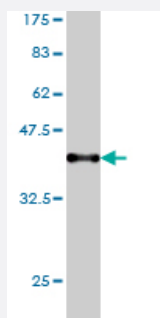
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KNTC1 is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to KNTC1 on HeLa cell. [antibody concentration 50 ug/ml]



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant KNTC1.
Immunogen	KNTC1 (NP_055523, 2100 a.a. ~ 2209 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DPQVILKQLEEhMNTGQLAGFSHQIRSLILNNIINKKEFGILAKTKYFQMLKMHAMNTNNITELVNYLANDSLDEASVLITEYSKHCGKPVPPDTAPCEILKMFLSGLS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (76); Rat (81)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 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)

KNTC1 monoclonal antibody (M01), clone 10H4 Western Blot analysis of KNTC1 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KNTC1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to KNTC1 on HeLa cell. [antibody concentration 50 ug/ml]

Gene Info — KNTC1

Entrez GeneID [9735](#)

GeneBank Accession# [NM_014708](#)

Protein Accession# [NP_055523](#)

Gene Name KNTC1

Gene Alias FLJ36151, KIAA0166, ROD

Gene Description kinetochore associated 1

Omim ID [607363](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein that is one of many involved in mechanisms to ensure proper chromosome segregation during cell division. Experimental evidence indicated that the encoded protein functioned in a similar manner to that of the Drosophila rough deal protein. [provided by RefSeq]

Other Designations Rough Deal homolog, centromere/kinetochore protein

Publication Reference

- [Modulations of cell cycle checkpoints during HCV associated disease.](#)

Sarfraz S, Hamid S, Ali S, Jafri W, Siddiqui AA.

BMC Infectious Diseases 2009 Aug; 9:125.

Application: WB-Ti, Human, Human liver biopsy tissues

- [Mitotic control of kinetochore-associated dynein and spindle orientation by human Spindly.](#)

Chan YW, Fava LL, Uldschmid A, Schmitz MH, Gerlich DW, Nigg EA, Santamaria A.

The Journal of Cell Biology 2009 Jun; 185(5):859.

Application: WB-Ce, Human, HeLa S3 cells

Disease

- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)
- [Tobacco Use Disorder](#)