

KNTC1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant KNTC1.****Catalog # AT2645a****Specification**

KNTC1 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, E
Primary Accession	P50748
Other Accession	NM_014708
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	250749

KNTC1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 9735**Other Names**

Kinetochore-associated protein 1, Rough deal homolog, HsROD, Rod, hRod, KNTC1, KIAA0166

Target/Specificity

KNTC1 (NP_055523, 2100 a.a. ~ 2209 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

KNTC1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

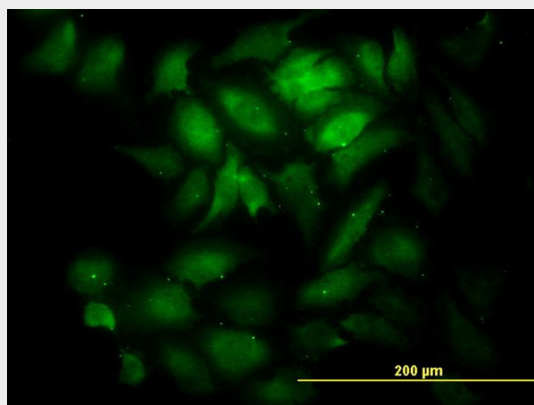
KNTC1 Antibody (monoclonal) (M01) - Protocols

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

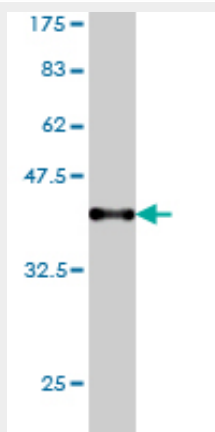
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

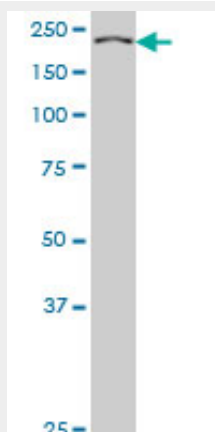
KNTC1 Antibody (monoclonal) (M01) - Images



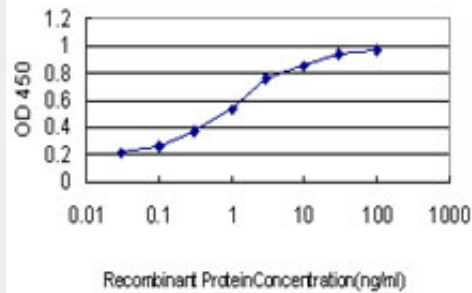
Immunofluorescence of monoclonal antibody to KNTC1 on HeLa cell. [antibody concentration 50 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .



KNTC1 monoclonal antibody (M01), clone 10H4 Western Blot analysis of KNTC1 expression in HeLa S3 NE ((Cat # AT2645a)



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

KNTC1 Antibody (monoclonal) (M01) - Background

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.

KNTC1 Antibody (monoclonal) (M01) - References

1. Modulations of cell cycle checkpoints during HCV associated disease. Sarfraz S, Hamid S, Ali S, Jafri W, Siddiqui AA. *BMC Infect Dis.* 2009 Aug 10;9:125.
2. 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. *J Cell Biol.* 2009 Jun 1;185(5):859-74. Epub 2009 May 25.