

KNTC2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant KNTC2.****Catalog # AT2646a****Specification**

KNTC2 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	O14777
Other Accession	BC035617
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	73913

KNTC2 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 10403**Other Names**

Kinetochores protein NDC80 homolog, Highly expressed in cancer protein, Kinetochores protein Hec1, HsHec1, Kinetochores-associated protein 2, Retinoblastoma-associated protein HEC, NDC80, HEC, HEC1, KNTC2

Target/Specificity

KNTC2 (AAH35617, 545 a.a. ~ 642 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

E~~N/A

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

KNTC2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

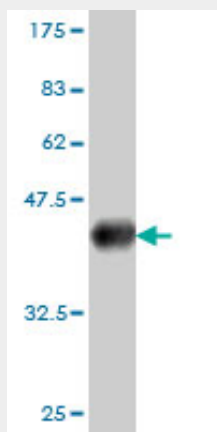
KNTC2 Antibody (monoclonal) (M01) - Protocols

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

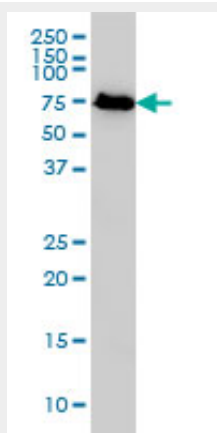
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

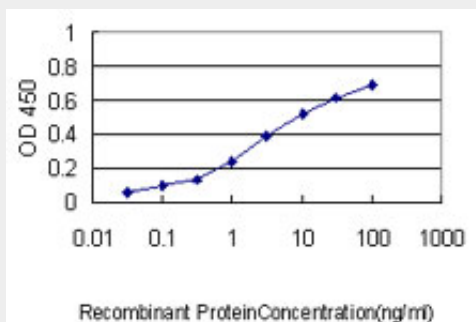
KNTC2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.19 kDa) .



KNTC2 monoclonal antibody (M01), clone 1A10 Western Blot analysis of KNTC2 expression in Hela S3 NE (Cat # AT2646a)



Detection limit for recombinant GST tagged KNTC2 is approximately 0.1 ng/ml as a capture antibody.

KNTC2 Antibody (monoclonal) (M01) - Background

HEC is one of several proteins involved in spindle checkpoint signaling. This surveillance mechanism assures correct segregation of chromosomes during cell division by detecting unaligned chromosomes and causing prometaphase arrest until the proper bipolar attachment of chromosomes is achieved.

KNTC2 Antibody (monoclonal) (M01) - References

1.Proinvasion metastasis drivers in early-stage melanoma are oncogenes.Scott KL, Nogueira C, Heffernan TP, van Doorn R, Dhakal S, Hanna JA, Min C, Jaskelioff M, Xiao Y, Wu CJ, Cameron LA, Perry SR, Zeid R, Feinberg T, Kim M, Vande Woude G, Granter SR, Bosenberg M, Chu GC, Depinho RA, Rimm DL, Chin L.Cancer Cell. 2011 Jul 12;20(1):92-103.