

RANBP3 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant RANBP3.****Catalog # AT3560a****Specification**

RANBP3 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, E
Primary Accession	O9H6Z4
Other Accession	BC004349
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	60210

RANBP3 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 8498**Other Names**

Ran-binding protein 3, RanBP3, RANBP3

Target/Specificity

RANBP3 (AAH04349, 298 a.a. ~ 397 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

RANBP3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

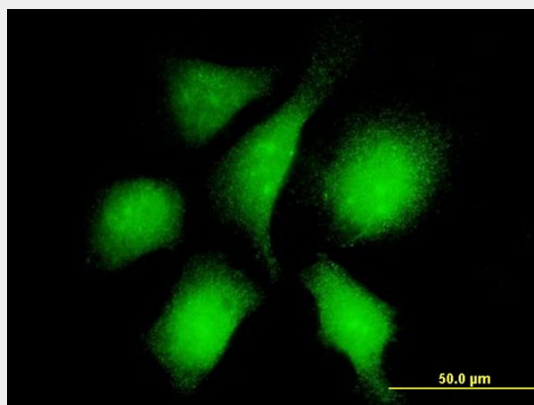
RANBP3 Antibody (monoclonal) (M01) - Protocols

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

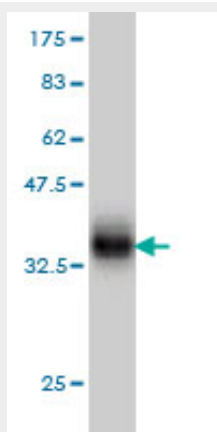
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

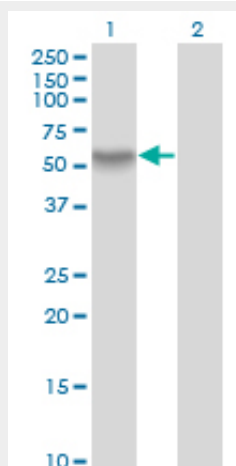
RANBP3 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to RANBP3 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .

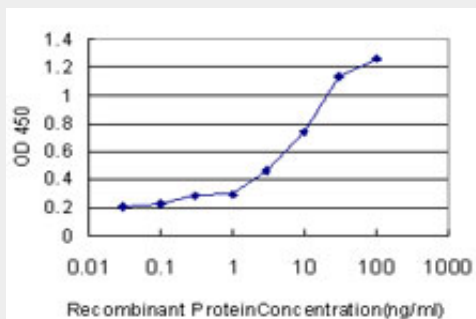


Western Blot analysis of RANBP3 expression in transfected 293T cell line by RANBP3 monoclonal

antibody (M01), clone 2E10.

Lane 1: RANBP3 transfected lysate(42.4 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged RANBP3 is approximately 0.03ng/ml as a capture antibody.

RANBP3 Antibody (monoclonal) (M01) - Background

This gene encodes a protein with a RanBD1 domain that is found in both the nucleus and cytoplasm. This protein plays a role in nuclear export as part of a heteromeric complex. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

RANBP3 Antibody (monoclonal) (M01) - References

Nuclear export of Smad2 and Smad3 by RanBP3 facilitates termination of TGF-beta signaling. Dai F, et al. Dev Cell, 2009 Mar. PMID 19289081. Ran-binding protein 3 phosphorylation links the Ras and PI3-kinase pathways to nucleocytoplasmic transport. Yoon SO, et al. Mol Cell, 2008 Feb 15. PMID 18280241. Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931. Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983. Transcriptome analysis of human gastric cancer. Oh JH, et al. Mamm Genome, 2005 Dec. PMID 16341674.