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RANBP3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RANBP3.
Catalog # AT3560a

Product Information

Application	WB, IF, E
Primary Accession	Q9H6Z4
Other Accession	BC004349
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2E11
Calculated MW	60210

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 IF~~1:50~200 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	RANBP3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

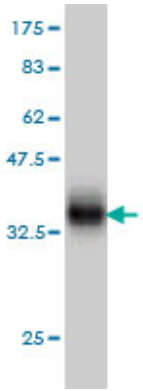
This gene encodes a protein with a RanBD1 domain that is found in both the nucleus and cytoplasm. This protein plays a role in nuclear export as part of a heteromeric complex. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

References

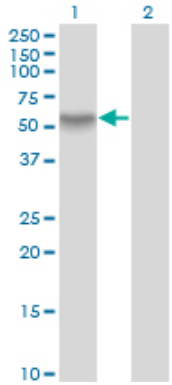
Nuclear export of Smad2 and Smad3 by RanBP3 facilitates termination of TGF-beta signaling. Dai F, et al. Dev Cell, 2009 Mar. PMID 19289081.Ran-binding protein 3 phosphorylation links the Ras and PI3-kinase pathways to nucleocytoplasmic transport. Yoon SO, et al. Mol Cell, 2008 Feb 15. PMID 18280241.Large-scale 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.

Images

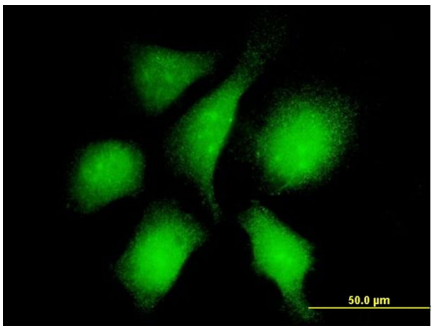


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .

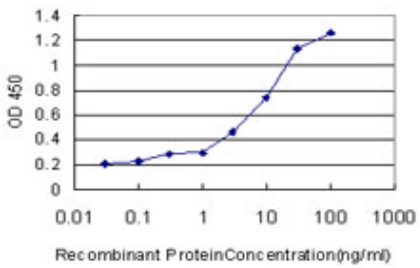


Western Blot analysis of RANBP3 expression in transfected 293T cell line by RANBP3 monoclonal antibody (M01), clone 2E10.

Lane 1: RANBP3 transfected lysate(42.4 KDa).
Lane 2: Non-transfected lysate.



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.