

RAB33B Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant RAB33B.****Catalog # AT3521a****Specification**

RAB33B Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	O9H082
Other Accession	NM_031296
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	25718

RAB33B Antibody (monoclonal) (M01) - Additional Information**Gene ID** 83452**Other Names**

Ras-related protein Rab-33B, RAB33B

Target/Specificity

RAB33B (NP_112586, 117 a.a. ~ 206 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

RAB33B Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

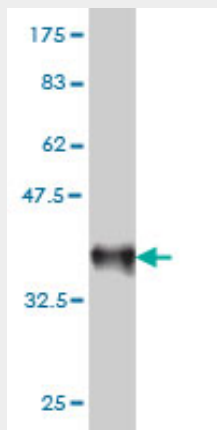
RAB33B Antibody (monoclonal) (M01) - Protocols

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

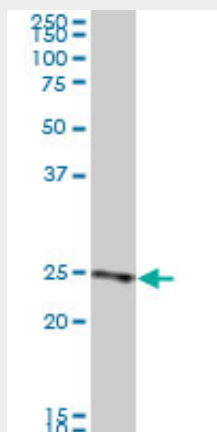
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

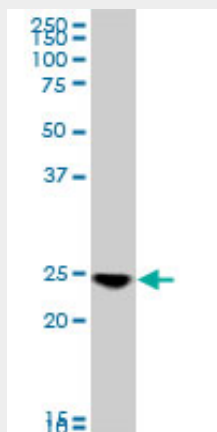
RAB33B Antibody (monoclonal) (M01) - Images



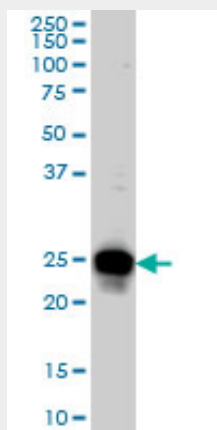
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .



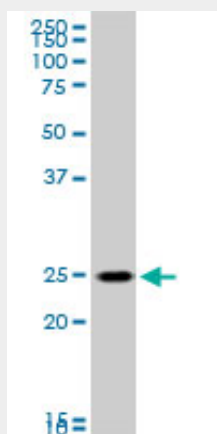
RAB33B monoclonal antibody (M01), clone 6F4. Western Blot analysis of RAB33B expression in HeLa (Cat # AT3521a)



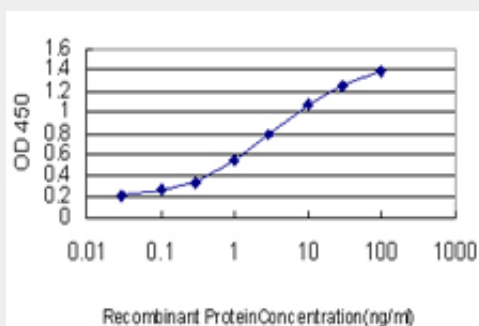
RAB33B monoclonal antibody (M01), clone 6F4. Western Blot analysis of RAB33B expression in PC-12 (Cat # AT3521a)



RAB33B monoclonal antibody (M01), clone 6F4 Western Blot analysis of RAB33B expression in A-431 (Cat # AT3521a)



RAB33B monoclonal antibody (M01), clone 6F4. Western Blot analysis of RAB33B expression in NIH/3T3 (Cat # AT3521a)



Detection limit for recombinant GST tagged RAB33B is approximately 0.03ng/ml as a capture antibody.

RAB33B Antibody (monoclonal) (M01) - Background

Small GTP-binding proteins of the RAB family, such as RAB33B, play important roles at defined steps of vesicular transport in protein secretion and the endocytosis pathway (Zheng et al., 1998 [PubMed 9512502]).

RAB33B Antibody (monoclonal) (M01) - References

Genome-wide and candidate gene association study of cigarette smoking behaviors. Caporaso N, et al. PLoS One, 2009. PMID 19247474. Golgi-resident small GTPase Rab33B interacts with Atg16L and modulates autophagosome formation. Itoh T, et al. Mol Biol Cell, 2008 Jul. PMID 18448665. Generation and annotation of the DNA sequences of human chromosomes 2 and 4. Hillier LW, et al. Nature, 2005 Apr 7. PMID 15815621. High-throughput mapping of a dynamic signaling network in mammalian cells. Barrios-Rodiles M, et al. Science, 2005 Mar 11. PMID 15761153. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.