

**RAB3A Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant RAB3A.

Catalog # AT3525a

**Specification**

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**RAB3A Antibody (monoclonal) (M01) - Product Information**

Application	IF, WB, E
Primary Accession	<a href="#">P20336</a>
Other Accession	<a href="#">NM_002866</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	24984

**RAB3A Antibody (monoclonal) (M01) - Additional Information****Gene ID** 5864**Other Names**

Ras-related protein Rab-3A, RAB3A

**Target/Specificity**

RAB3A (NP\_002857, 122 a.a. ~ 220 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**

RAB3A Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

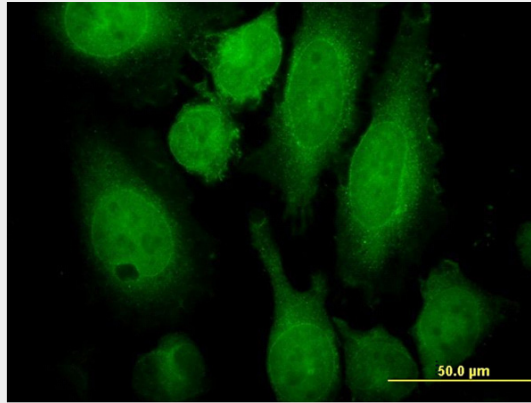
**RAB3A Antibody (monoclonal) (M01) - Protocols**

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

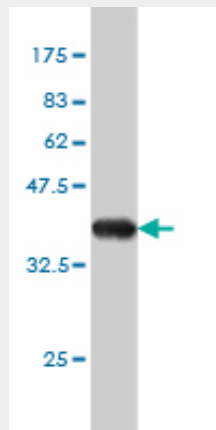
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

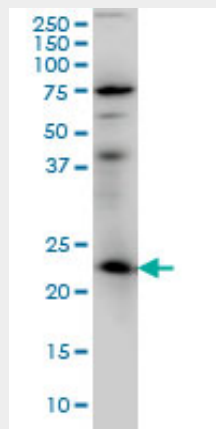
### RAB3A Antibody (monoclonal) (M01) - Images



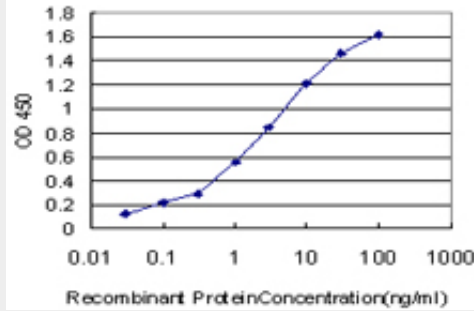
Immunofluorescence of monoclonal antibody to RAB3A on HeLa cell. [antibody concentration 25 ug/ml]



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



RAB3A monoclonal antibody (M01), clone 4H7 Western Blot analysis of RAB3A expression in IMR-32 ( (Cat # AT3525a )



Detection limit for recombinant GST tagged RAB3A is approximately 0.03ng/ml as a capture antibody.

### **RAB3A Antibody (monoclonal) (M01) - References**

APP anterograde transport requires Rab3A GTPase activity for assembly of the transport vesicle. Szodorai A, et al. J Neurosci, 2009 Nov 18. PMID 19923287. Epac activates the small G proteins Rap1 and Rab3A to achieve exocytosis. Branham MT, et al. J Biol Chem, 2009 Sep 11. PMID 19546222. Rab3GEP is the non-redundant guanine nucleotide exchange factor for Rab27a in melanocytes. Figueiredo AC, et al. J Biol Chem, 2008 Aug 22. PMID 18559336. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348. Membrane-permeant Rab3A triggers acrosomal exocytosis in living human sperm. Lopez CI, et al. FASEB J, 2007 Dec. PMID 17625073.