10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RAB3A Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RAB3A.
Catalog # AT3525a

Product Information

Application	WB, IF, E
Primary Accession	P20336
Other Accession	NM_002866
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	4H7
Calculated MW	24984

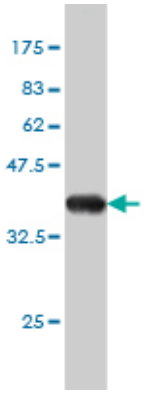
Additional Information

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

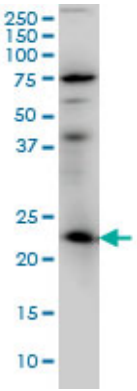
References

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.

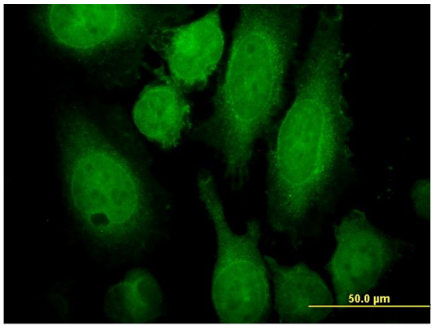
Images



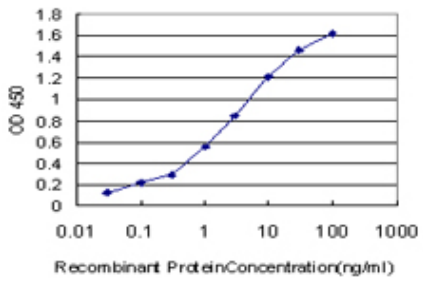
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



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



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



Detection limit for recombinant GST tagged RAB3A 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'.