

# RAB3A Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RAB3A.

Catalog # AT3525a

## Product Information

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<b>Application</b>	WB, IF, E
<b>Primary Accession</b>	<a href="#">P20336</a>
<b>Other Accession</b>	<a href="#">NM_002866</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 Kappa
<b>Clone Names</b>	4H7
<b>Calculated MW</b>	24984

## Additional Information

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<b>Gene ID</b>	5864
<b>Other Names</b>	Ras-related protein Rab-3A, RAB3A
<b>Target/Specificity</b>	RAB3A (NP_002857, 122 a.a. ~ 220 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	RAB3A Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

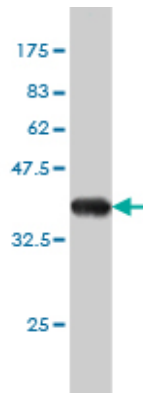
## References

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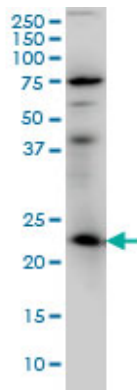
APP anterograde transport requires Rab3A GTPase activity for assembly of the transport vesicle. Szodorai A, et al. J Neurosci, 2009 Nov 18. PMID 19923287. Epac activates the small G proteins Rap1 and Rab3A to achieve exocytosis. Branham MT, et al. J Biol Chem, 2009 Sep 11. PMID 19546222. Rab3GEP is the 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

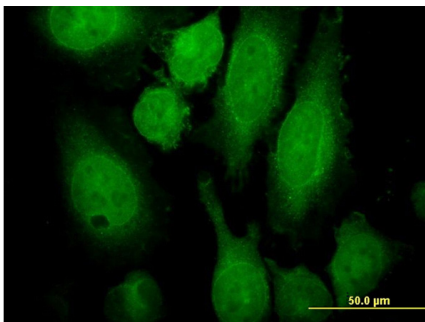
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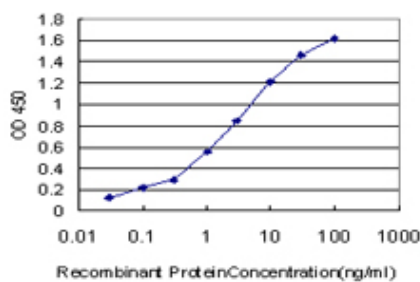
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



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'.