

**RAB4A Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a full length recombinant RAB4A.

Catalog # AT3530a

**Specification**

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**RAB4A Antibody (monoclonal) (M01) - Product Information**

Application	WB, E
Primary Accession	<a href="#">P20338</a>
Other Accession	<a href="#">BC004309</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	24390

**RAB4A Antibody (monoclonal) (M01) - Additional Information****Gene ID** 5867**Other Names**

Ras-related protein Rab-4A, RAB4A, RAB4

**Target/Specificity**

RAB4A (AAH04309, 1 a.a. ~ 218 a.a) full-length 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**

RAB4A Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

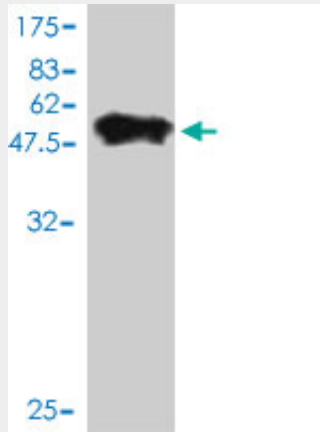
**RAB4A Antibody (monoclonal) (M01) - Protocols**

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

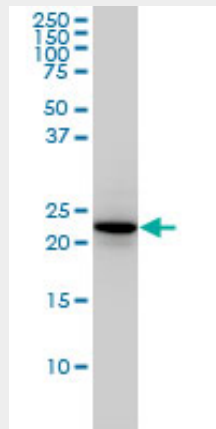
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

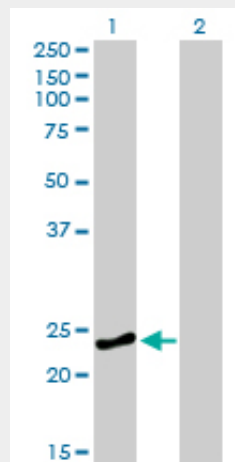
### RAB4A Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (49.72 KDa) .

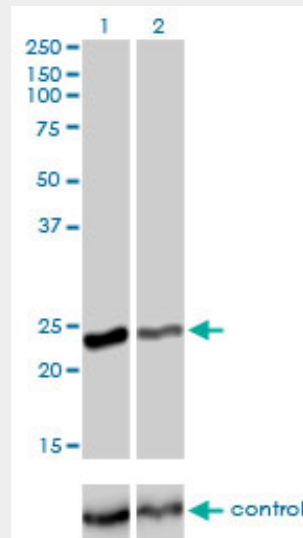


RAB4A monoclonal antibody (M01), clone 1C10 Western Blot analysis of RAB4A expression in HeLa ( (Cat # AT3530a )

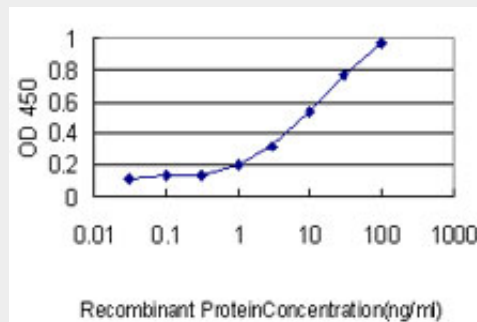


Western Blot analysis of RAB4A expression in transfected 293T cell line by RAB4A monoclonal antibody (M01), clone 1C10.

Lane 1: RAB4A transfected lysate(24.4 KDa).  
Lane 2: Non-transfected lysate.



Western blot analysis of RAB4A over-expressed 293 cell line, cotransfected with RAB4A Validated Chimera RNAi (Cat # AT3530a)



Detection limit for recombinant GST tagged RAB4A is approximately 0.1ng/ml as a capture antibody.

### RAB4A Antibody (monoclonal) (M01) - References

D-AKAP2 interacts with Rab4 and Rab11 through its RGS domains and regulates transferrin receptor recycling. Eggers CT, et al. *J Biol Chem*, 2009 Nov 20. PMID 19797056. Cargo-mediated regulation of a rapid Rab4-dependent recycling pathway. Yudowski GA, et al. *Mol Biol Cell*, 2009 Jun. PMID 19369423. VEGFR1 (Flt1) regulates Rab4 recycling to control fibronectin polymerization and endothelial vessel branching. Jones MC, et al. *Traffic*, 2009 Jun. PMID 19302266. Activation of mammalian target of rapamycin controls the loss of TCRzeta in lupus T cells through HRES-1/Rab4-regulated lysosomal degradation. Fernandez DR, et al. *J Immunol*, 2009 Feb 15. PMID 19201859. Intracellular trafficking of the human oxytocin receptor: evidence of receptor recycling via a Rab4/Rab5 short cycle. Conti F, et al. *Am J Physiol Endocrinol Metab*, 2009 Mar. PMID 19126785.