

RAPGEF4 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant RAPGEF4.****Catalog # AT3567a****Specification**

RAPGEF4 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q8WZA2
Other Accession	BC024004
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	115522

RAPGEF4 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 11069**Other Names**

Rap guanine nucleotide exchange factor 4, Exchange factor directly activated by cAMP 2, Exchange protein directly activated by cAMP 2, EPAC 2, cAMP-regulated guanine nucleotide exchange factor II, cAMP-GEFII, RAPGEF4, CGEF2, EPAC2

Target/Specificity

RAPGEF4 (AAH24004, 1 a.a. ~ 110 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

RAPGEF4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

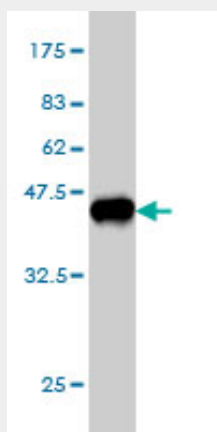
RAPGEF4 Antibody (monoclonal) (M01) - Protocols

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

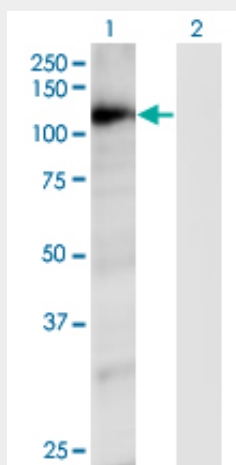
- [Western Blot](#)
- [Blocking Peptides](#)

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

RAPGEF4 Antibody (monoclonal) (M01) - Images



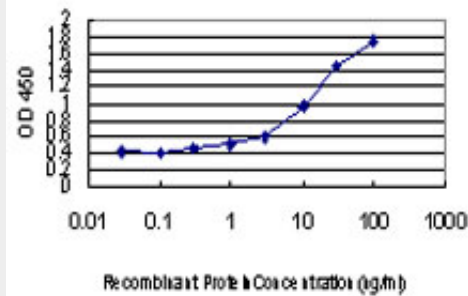
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .



Western Blot analysis of RAPGEF4 expression in transfected 293T cell line by RAPGEF4 monoclonal antibody (M01), clone 1C11.

Lane 1: RAPGEF4 transfected lysate (Predicted MW: 115.5 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged RAPGEF4 is approximately 0.3ng/ml as a capture antibody.

RAPGEF4 Antibody (monoclonal) (M01) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Functional roles of protein kinase A (PKA) and exchange protein directly activated by 3',5'-cyclic adenosine 5'-monophosphate (cAMP) 2 (EPAC2) in cAMP-mediated actions in adrenocortical cells. Aumo L, et al. Endocrinology, 2010 May. PMID 20233795. Genome-wide pleiotropy of osteoporosis-related phenotypes: the Framingham Study. Karasik D, et al. J Bone Miner Res, 2010 Jul. PMID 20200953. Genes related to sex steroids, neural growth, and social-emotional behavior are associated with autistic traits, empathy, and Asperger syndrome. Chakrabarti B, et al. Autism Res, 2009 Jun. PMID 19598235. Mechanism of Epac activation: structural and functional analyses of Epac2 hinge mutants with constitutive and reduced activities. Tsalkova T, et al. J Biol Chem, 2009 Aug 28. PMID 19553663.