

ADRA1A Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ADRA1A.

Catalog # AT1058a

Specification

ADRA1A Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	P35348
Other Accession	NM_033303
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	51487

ADRA1A Antibody (monoclonal) (M01) - Additional Information

Gene ID 148

Other Names

Alpha-1A adrenergic receptor, Alpha-1A adrenoreceptor, Alpha-1A adrenoceptor, Alpha-1C adrenergic receptor, Alpha-adrenergic receptor 1c, ADRA1A, ADRA1C

Target/Specificity

ADRA1A (NP_150646, 1 a.a. ~ 27 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

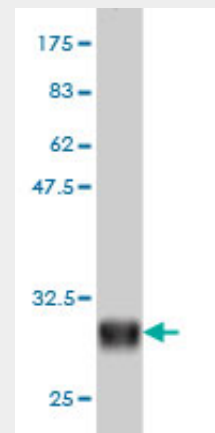
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

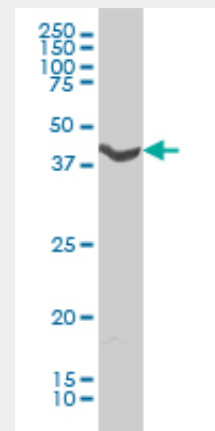
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

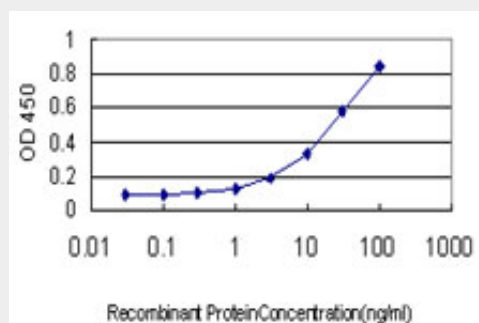
ADRA1A Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (28.71 KDa) .



ADRA1A monoclonal antibody (M01), clone 4C7 Western Blot analysis of ADRA1A expression in HL-60 ((Cat # AT1058a)



Detection limit for recombinant GST tagged

ADRA1A 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](#)

ADRA1A is approximately 0.3ng/ml as a capture antibody.

ADRA1A Antibody (monoclonal) (M01) - Background

Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1A-adrenergic receptor. Alternative splicing of this gene generates four transcript variants, which encode four different isoforms with distinct C-termini but having similar ligand binding properties.

ADRA1A Antibody (monoclonal) (M01) - References

Association between Genetic Polymorphisms of Adrenergic Receptor and Diurnal Intraocular Pressure in Japanese Normal-Tension Glaucoma. Gao Y, et al. *Ophthalmology*, 2010 Aug 10. PMID 20705341. Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. *Diabetes Care*, 2010 Jul 13. PMID 20628086. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. *Mol Med*, 2010 Jul-Aug. PMID 20379614. Frequencies of polymorphisms in cytokines, neurotransmitters and adrenergic receptors in patients with complex regional pain syndrome type I after distal radial fracture. Herlyn P, et al. *Clin J Pain*, 2010 Mar-Apr. PMID 20173430. Lack of association between genetic polymorphisms affecting sympathetic activity and tilt-induced vasovagal syncope. Sorrentino S, et al. *Auton Neurosci*, 2010 Jun 24. PMID 20129829.