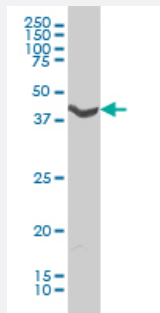


ADRA1A monoclonal antibody (M01), clone 4C7

Catalog # H00000148-M01

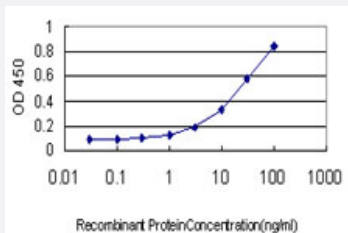
Size 100 ug

Applications



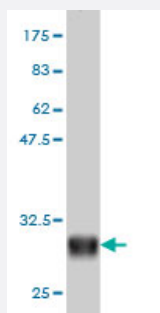
Western Blot (Cell lysate)

ADRA1A monoclonal antibody (M01), clone 4C7 Western Blot analysis of ADRA1A expression in HL-60 (Cat # L014V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADRA1A is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (28.71 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ADRA1A.

Immunogen	ADRA1A (NP_150646, 1 a.a. ~ 27 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MVFLSGNASDSSNCTQPPAPVNISKAI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (78); Rat (81)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (28.71 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ADRA1A monoclonal antibody (M01), clone 4C7 Western Blot analysis of ADRA1A expression in HL-60 (Cat # L014V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADRA1A is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ADRA1A

Entrez GeneID [148](#)

GeneBank Accession# [NM_033303](#)

Protein Accession#	NP_150646
Gene Name	ADRA1A
Gene Alias	ADRA1C, ADRA1L1, ALPHA1AAR
Gene Description	adrenergic, alpha-1A-, receptor
Omim ID	104221
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	G protein coupled receptor OTTHUMP00000125313 adrenergic, alpha -1A-, receptor adrenergic, alpha-1A-, receptor variant 1 adrenergic, alpha-1A-, receptor variant 3 adrenergic, alpha-1A-, receptor variant 5 adrenergic, alpha-1A-, receptor variant 8 adrenergic

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Acute Disease](#)
- [Alzheimer disease](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Depressive Disorder](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Drug Toxicity](#)
- [Dyskinesia](#)
- [Edema](#)
- [Fibromyalgia](#)
- [Gastroparesis](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Low Back Pain](#)
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- [Schizophrenia](#)
- [Sciatica](#)
- [Syncope](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Wounds and Injuries](#)