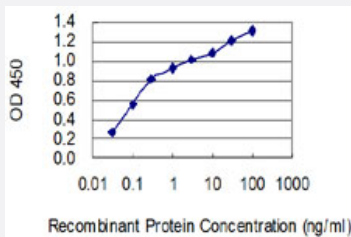


EDNRB monoclonal antibody (M01), clone 5H2

Catalog # H00001910-M01

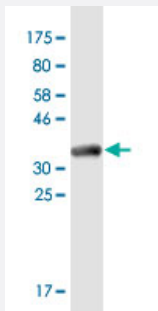
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EDNRB is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (33.88 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant EDNRB.

Immunogen

EDNRB (AAH14472.1, 27 a.a. ~ 101 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

EERGFPPDRATPLLQTAEIMTPPTKLWPKGSNASLARS LAPAEV PKGDRTAGSPPTISPPPCQ
GPIEKETFK

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (67); Rat (68)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.88 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EDNRB is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — EDNRB

Entrez GeneID	1910
GeneBank Accession#	BC014472.1
Protein Accession#	AAH14472.1
Gene Name	EDNRB
Gene Alias	ABCDS, ETB, ETBR, ETRB, HSCR, HSCR2
Gene Description	endothelin receptor type B
Omim ID	131244 277580 600155 600501
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a G protein-coupled receptor which activates a phosphatidylinositol-calcium second messenger system. Its ligand, endothelin, consists of a family of three potent vasoactive peptides: ET1, ET2, and ET3. Studies suggest that the multigenic disorder, Hirschsprung disease type 2, is due to mutations in the endothelin receptor type B gene. Three transcript variants encoding two different isoforms have been found for this gene. While both isoforms bind ET1, they exhibit different responses upon binding, suggesting that they may be functionally distinct. [provided by RefSeq]

Other Designations

OTTHUMP00000178736|endothelin receptor non-selective type

Pathway

- [Calcium signaling pathway](#)
- [Melanogenesis](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cystic Fibrosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Digestive System Abnormalities](#)
- [Disease Progression](#)
- [Down Syndrome](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Hirschsprung Disease](#)
- [Hypertension](#)
- [Leukoaraiosis](#)
- [Liver Cirrhosis](#)
- [Lung Diseases](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Scleroderma](#)
- [Skin Neoplasms](#)
- [Stroke](#)
- [Vision Disorders](#)