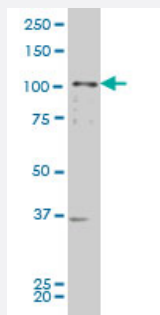


EPHB2 monoclonal antibody (M03), clone 4D1

Catalog # H00002048-M03

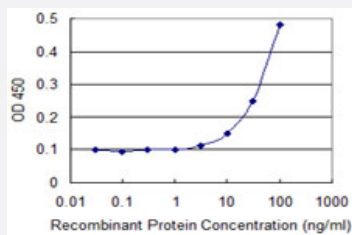
Size 100 ug

Applications



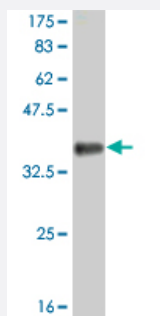
Western Blot (Cell lysate)

EPHB2 monoclonal antibody (M03), clone 4D1 Western Blot analysis of EPHB2 expression in NIH/3T3 (Cat # L018V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EPHB2 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant EPHB2.

Immunogen	EPHB2 (NP_059145, 226 a.a. ~ 325 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	CIANAEVDVPIKLYCNGDGEWLVPIGRCMCKAGFEAVENGTVCRGCPSGTFKANQGDEACTHC PINSRTTSEGATNCVCRNGYYRADLDPLDMPCTTIP
Host	Mouse
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (100)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 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)

EPHB2 monoclonal antibody (M03), clone 4D1 Western Blot analysis of EPHB2 expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EPHB2 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — EPHB2

Entrez GeneID [2048](#)

GeneBank Accession#	NM_017449
Protein Accession#	NP_059145
Gene Name	EPHB2
Gene Alias	CAPB, DRT, EPHT3, ERK, Hek5, MGC87492, PCBC, Tyro5
Gene Description	EPH receptor B2
Omim ID	600997 603688
Gene Ontology	Hyperlink
Gene Summary	Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene is a receptor for ephrin-B family members. [provided by RefSeq]
Other Designations	OTTHUMP00000002914 OTTHUMP00000002916 developmentally-regulated eph-related tyrosine kinase elk-related tyrosine kinase eph tyrosine kinase 3 ephrin receptor EphB2 prostate cancer-brain cancer susceptibility

Pathway

- [Axon guidance](#)

Disease

- [Adenomatous Polyposis Coli](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Intestinal Polyposis](#)
- [Parkinson disease](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)