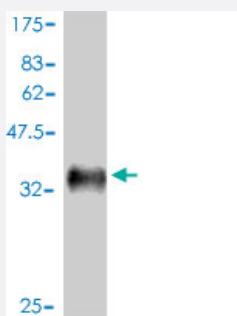


EPHB2 monoclonal antibody (M01A), clone 1F10

Catalog # H00002048-M01A

Size 200 uL

Applications



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	CIAAAEEVDVPIKLYCNGDGEWLVPIGRCMCKAGFEAVENGTVCRGCPSGTFKANQGDEACTHC PINSRTTSEGATNCVCRNGYYRADLDPLDMPCTTIP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100)
Isotype	IgM kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[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](#)