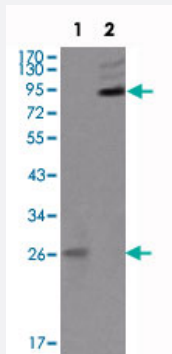


EPHB2 monoclonal antibody, clone 2D12C6

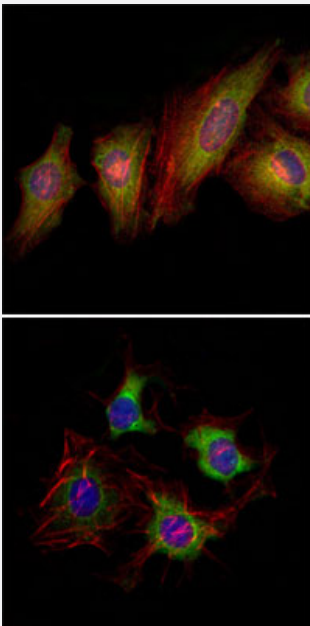
Catalog # MAB10592 Size 100 uL

Applications



Western Blot

Western blot analysis using EPHB2 monoclonal antibody, clone 2D12C6 (Cat # MAB10592) against truncated EPHB2 recombinant protein (1) and extracellular EPHB2 (aa 19-476) -hlgGFc transfected CHO-K1 cell lysate (2) .



Immunofluorescence

Immunofluorescence analysis of HeLa (upper) and HepG2 (bottom) cells using EPHB2 monoclonal antibody, clone 2D12C6 (Cat # MAB10592) (green) . Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

Specification

Product Description

Mouse monoclonal antibody raised against partial recombinant EPHB2.

Immunogen

Recombinant protein corresponding to amino acids 17-200 of human EPHB2.

Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2b
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunofluorescence (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — EPHB2

Entrez GeneID	2048
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](#)