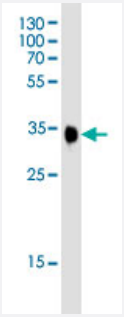
EPHB2 monoclonal antibody, clone 48CT12.6.4

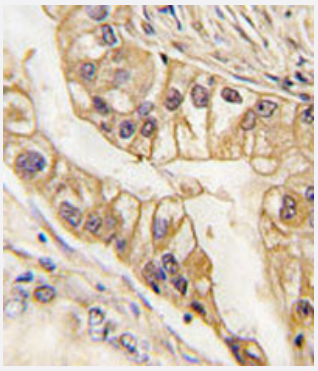
Catalog # MAB12325 Size 200 uL

Applications



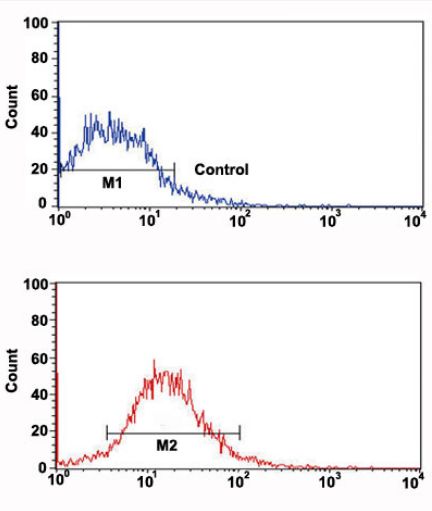
Western Blot (Recombinant protein)

Western blot analysis of EPHB2 recombinant protein reacted with EPHB2 monoclonal antibody (Cat # MAB12325) at 1:1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with EPHB2 monoclonal antibody (Cat # MAB12325) at 1:200 dilution.



Flow Cytometry

Flow cytometric analysis of HepG2 cells (bottom histogram) and a negative control cell (top histogram) reacted with EPHB2 monoclonal antibody (Cat # MAB12325) at 1:10-1:50 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human EPHB2.
Immunogen	Recombinant His fusion protein corresponding to amino acids 127~425 of human EPHB2.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (1:10-1:50) Immunohistochemistry (1:200) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 shoul d be handled by trained staff only.

Applications

- Western Blot (Recombinant protein)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with EPHB2 monoclonal antibody (Cat # MAB12325) at 1:200 dilution.

- Flow Cytometry

  Flow cytometric analysis of HepG2 cells (bottom histogram) and a negative control cell (top histogram) reacted with EPHB2 monoclonal antibody (Cat # MAB12325) at 1:10-1:50 dilution.

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