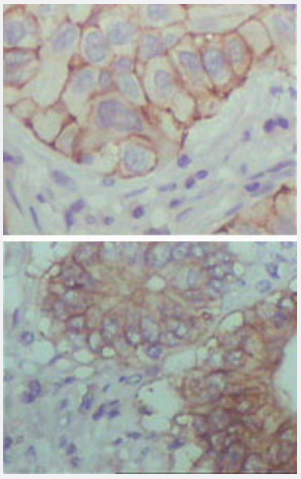
EPHB1 monoclonal antibody, clone 5F10A4

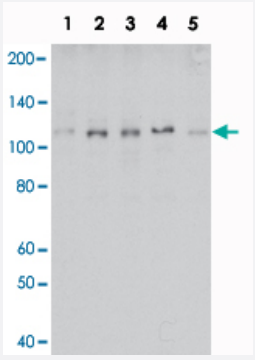
Catalog # MAB10595 Size 100 uL

Applications



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

Immunohistochemical analysis of paraffin-embedded human lung cancer (upper) and colon cancer (bottom) showing cytoplasmic localization with DAB staining using EPHB1 monoclonal antibody, clone 5F10A4 (Cat # MAB10595) .



Western Blot (Cell lysate)

Western blot analysis using EPHB1 monoclonal antibody, clone 5F10A4 (Cat # MAB10595) against MDA-MB-468 (1) , MDA-MB-453 (2) , MCF-7 (3) , T-47D (4) and SK-BR-3 (5) cell lysate.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant EPHB1.
Immunogen	Recombinant protein corresponding to amino acids 19-133 of human EPHB1.
Host	Mouse
Theoretical MW (kDa)	110
Reactivity	Human

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Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (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 shoul d be handled by trained staff only.

Applications

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

  Immunohistochemical analysis of paraffin-embedded human lung cancer (upper) and colon cancer (bottom) showing cytoplasmic localization with DAB staining using EPHB1 monoclonal antibody, clone 5F10A4 (Cat # MAB10595) .

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis using EPHB1 monoclonal antibody, clone 5F10A4 (Cat # MAB10595) against MDA-MB-468 (1) , MDA-MB-453 (2) , MCF-7 (3) , T-47D (4) and SK-BR-3 (5) cell lysate.

Gene Info — EPHB1

Entrez GeneID	2047
Gene Name	EPHB1
Gene Alias	ELK, EPHT2, FLJ37986, Hek6, NET
Gene Description	EPH receptor B1
Omim ID	600600
Gene Ontology	Hyperlink

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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	eph tyrosine kinase 2|ephrin receptor EphB1|soluble EPHB1 variant 1

Pathway

- Axon guidance

Disease

- Carcinoma
- Depressive Disorder
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Parkinson disease
- Tobacco Use Disorder

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