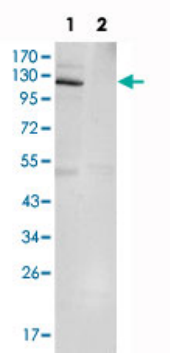
EPHB4 monoclonal antibody, clone 7H4A6

Catalog # MAB10602 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis using EPHB4 monoclonal antibody, clone 7H4A6 (Cat # MAB10602) against Jurkat (1) and HEK293 (2) cell lysate.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant EPHB4.
Immunogen	Recombinant protein corresponding to amino acids 562-612 of human EPHB4.
Host	Mouse
Theoretical MW (kDa)	108
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) 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

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — EPHB4

Entrez GeneID	2050
Gene Name	EPHB4
Gene Alias	HTK, MYK1, TYRO11
Gene Description	EPH receptor B4
Omim ID	600011
Gene Ontology	Hyperlink
Gene Summary	Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, par ticularly 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 glycosylphosp hatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The E ph family of receptors are divided into 2 groups based on the similarity of their extracellular domai n 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 binds to ephrin-B2 and plays an essential role in vascular development. [provided by RefSe q
Other Designations	ephrin receptor EphB4|hepatoma transmembrane kinase|soluble EPHB4 variant 1|soluble EPHB 4 variant 2|soluble EPHB4 variant 3

Pathway

- Axon guidance

Disease

- Intracranial Arteriovenous Malformations
- Intracranial Hemorrhages