

EPHB6 polyclonal antibody

Catalog # PAB3023

Size 400 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of EPHB6.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human EPHB6.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) 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 should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry

Gene Info — EPHB6

Entrez GeneID

[2051](#)

Protein Accession#	NP_031964;O15197
Gene Name	EPHB6
Gene Alias	HEP, MGC129910, MGC129911
Gene Description	EPH receptor B6
Omim ID	602757
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 ephrin receptor encoded by this gene lacks the kinase activity of most receptor tyrosine kinases and binds to ephrin-B ligands. [provided by RefSeq]
Other Designations	ephrin receptor EphB6

Publication Reference

- [The EphB6 receptor inhibits JNK activation in T lymphocytes and modulates T cell receptor-mediated responses.](#)
Freywald A, Sharfe N, Rashotte C, Grunberger T, Roifman CM.
The Journal of Biological Chemistry 2003 Mar; 278(12):10150.
Application: WB-Tr, Human, Jurkat cells
- [EphB6 crosslinking results in costimulation of T cells.](#)
Luo H, Yu G, Wu Y, Wu J.
The Journal of Clinical Investigation 2002 Oct; 110(8):1141.
Application: Flow Cyt, IF, Human, Human T cells
- [Multiple roles of EPH receptors and ephrins in neural development.](#)
Wilkinson DG.
Nature Reviews. Neuroscience 2001 Mar; 2(3):155.

Pathway

- [Axon guidance](#)