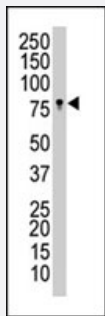


EPHB3 polyclonal antibody

Catalog # PAB3021

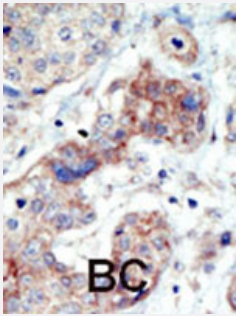
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of EPHB3 polyclonal antibody (Cat # PAB3021) in Jurkat cell lysate. EPHB3 (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



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

Formalin-fixed and paraffin-embedded human cancer tissue reacted with EPHB3 polyclonal antibody (Cat # PAB3021), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of EPHB3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human EPHB3.
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 (Cell lysate)

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Gene Info — EPHB3

Entrez GeneID	2049
Protein Accession#	P54753
Gene Name	EPHB3
Gene Alias	ETK2, HEK2, TYRO6
Gene Description	EPH receptor B3
Omim ID	601839
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

EPH-like tyrosine kinase-2|ephrin receptor EphB3|human embryo kinase 2

Publication Reference

- [PCR mediated detection of a new human receptor-tyrosine-kinase, HEK 2.](#)

Bohme B, Holtrich U, Wolf G, Luzius H, Grzeschik KH, Strebhardt K, Rubsamen-Waigmann H.

Oncogene 1993 Oct; 8(10):2857.

Application: WB-Ce, Human, A431 cells

Pathway

- [Axon guidance](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Tooth Abnormalities](#)