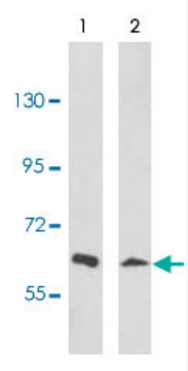
EPHA3 polyclonal antibody

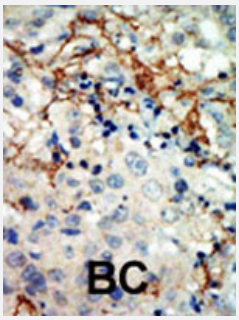
Catalog # PAB3005 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of EPHA3 polyclonal antibody (Cat # PAB3005) in NCI-H460 (Land 1), 293 (Land 2) cell line lysates (35 ug/lane). EPHA3 (arrow) was detected using the purified polyclonal antibody.



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

Formalin-fixed and paraffin-embedded human cancer tissue reacted with EPHA3 polyclonal antibody (Cat # PAB3005) , which was peroxidase-conjugated to the secondary antibody, followed by AEC 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 EPHA3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human EPHA3.
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 shoul d be handled by trained staff only.

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Gene Info — EPHA3

Entrez GeneID	2042
Protein Accession#	P29320
Gene Name	EPHA3
Gene Alias	ETK, ETK1, HEK, HEK4, TYRO4
Gene Description	EPH receptor A3
Omim ID	179611
Gene Ontology	Hyperlink

Gene Summary	This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in th e nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an e xtracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin rece ptors are divided into 2 groups based on the similarity of their extracellular domain sequences an d their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Two alternatively spliced transcript variants have been described for this gene. [provided by RefSeq
Other Designations	TYRO4 protein tyrosine kinase|eph-like tyrosine kinase 1|ephrin receptor EphA3|human embryo ki nase 1

Publication Reference

- Identification of cell surface targets through meta-analysis of microarray data.

  Haeberle H, Dudley JT, Liu JT, Butte AJ, Contag CH.

  Neoplasia 2012 Jul; 14(7):666.

  Application: IHC-P, Human, Human medulloblastoma, cerebellum

- Identification of a tumor-specific shared antigen derived from an Eph receptor and presented to CD4 T cells on HLA class II molecules.

  Chiari R, Hames G, Stroobant V, Texier C, Maillere B, Boon T, Coulie PG.

  Cancer Research 2000 Sep; 60(17):4855.

- Molecular cloning of HEK, the gene encoding a receptor tyrosine kinase expressed by human lymphoid tumor cell lines.

  Wicks IP, Wilkinson D, Salvaris E, Boyd AW.

  PNAS 1992 Mar; 89(5):1611.

  Application: IF, Monkey, COS cells

- Isolation and characterization of a novel receptor-type protein tyrosine kinase (hek) from a human pre-B cell line.

  Boyd AW, Ward LD, Wicks IP, Simpson RJ, Salvaris E, Wilks A, Welch K, Loudovaris M, Rockman S, Busmanis I.

  The Journal of Biological Chemistry 1992 Feb; 267(5):3262.

Pathway

- Axon guidance

Disease

- Genetic Predisposition to Disease
- Pancreatic cancer
- Pancreatic Neoplasms