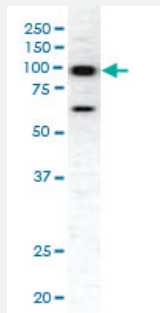


EPHA1 polyclonal antibody

Catalog # PAB3002

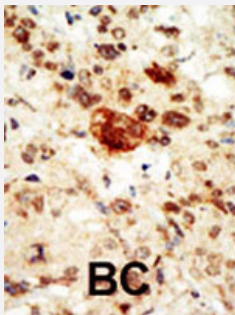
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of EPHA1 polyclonal antibody (Cat # PAB3002) in HeLa cell lysate. EPHA1 (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 the primary antibody, 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 EPHA1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human EPHA1.
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

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Gene Info — EPHA1

Entrez GeneID	2041
Protein Accession#	P21709
Gene Name	EPHA1
Gene Alias	EPH, EPHT, EPHT1, MGC163163
Gene Description	EPH receptor A1
Omim ID	179610
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 the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin 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. This gene is expressed in some human cancer cell lines and has been implicated in carcinogenesis. [provided by RefSeq]

Other Designations

eph tyrosine kinase 1|ephrin receptor EphA1|ephrin type-A receptor 1|erythropoietin-producing hepatoma amplified sequence|oncogene EPH|soluble EPHA1 variant 1|soluble EPHA1 variant 2|tyrosine-protein kinase receptor EPH

Publication Reference

- [The DNA sequence of human chromosome 7.](#)

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- [Genomic structure of the EPHA1 receptor tyrosine kinase gene.](#)

Owshalimpur D, Kelley MJ.

Molecular and Cellular Probes 1999 Jun; 13(3):169.

- [A novel putative tyrosine kinase receptor encoded by the eph gene.](#)

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Pathway

- [Axon guidance](#)

Disease

- [Cardiovascular Diseases](#)

- [Diabetes Mellitus](#)

- [Edema](#)