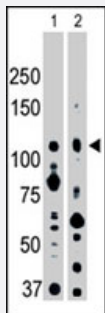


EPHA2 polyclonal antibody

Catalog # PAB3003

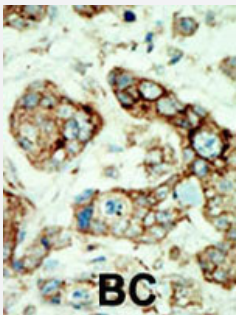
Size 400 uL

Applications



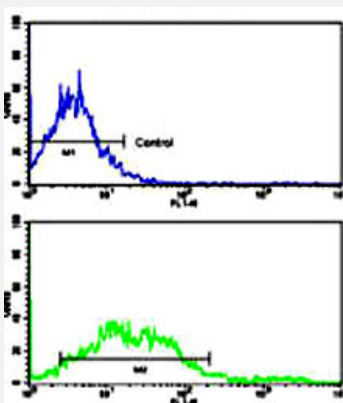
Western Blot (Cell lysate)

The EPHA2 polyclonal antibody (Cat # PAB3003) is used in Western blot to detect EPHA2 in CHO cell lysate (Lane 1) and NIH/3T3 cell lysate (Lane 2) .



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

Formalin-fixed and paraffin-embedded human cancer tissue reacted with EPHA2 polyclonal antibody (Cat # PAB3003) , 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.



Flow Cytometry

Flow cytometric analysis of NCI-H292 cells using EPHA2 polyclonal antibody (Cat # PAB3003)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of EPHA2.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human EPHA2.
Host	Rabbit
Reactivity	Hamster, Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100 Flow cytometry (1:10-50) 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 — EPHA2

Entrez GeneID	1969
Protein Accession#	P29317
Gene Name	EPHA2

Gene Alias	ECK
Gene Description	EPH receptor A2
Omim ID	176946
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 encodes a protein that binds ephrin-A ligands. [provided by RefSeq]
Other Designations	ephrin receptor EphA2 epithelial cell receptor protein tyrosine kinase protein tyrosine kinase receptor protein tyrosine kinase regulated by p53 and E2F-1 soluble EPHA2 variant 1

Publication Reference

- [cDNA cloning and characterization of eck, an epithelial cell receptor protein-tyrosine kinase in the eph/elk family of protein kinases.](#)

Lindberg RA, Hunter T.

Molecular and Cellular Biology 1990 Dec; 10(12):6316.

Application: IHC-Fr, IP, KA, Human, Rat, A-431 cells, Lungs,Kidneys

Pathway

- [Axon guidance](#)

Disease

- [Cataract](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)