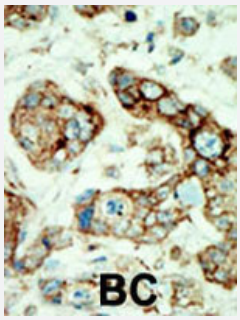
EPHA2 polyclonal antibody

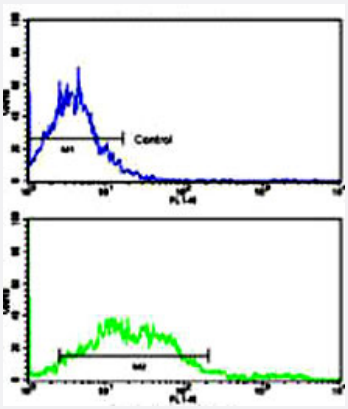
Catalog # PAB3003 Size 400 uL

Applications



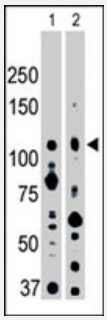
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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.



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) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of EPHA2.

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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 shoul d be handled by trained staff only.

Applications

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Gene Info — EPHA2

Entrez GeneID	1969
Protein Accession#	P29317
Gene Name	EPHA2

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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 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. [provided by RefSeq
Other Designations	ephrin receptor EphA2|epithelial cell receptor protein tyrosine kinase|protein tyrosine kinase|rece ptor 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

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