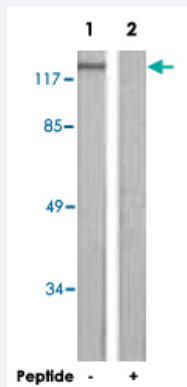


EPHA2/EPHA3/EPHA4 polyclonal antibody

Catalog # PAB18348

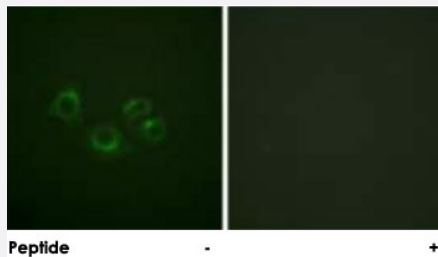
Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells, using EPHA2/EPHA3/EPHA4 polyclonal antibody (Cat # PAB18348). Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of A-549 cells, using EPHA2/EPHA3/EPHA4 polyclonal antibody (Cat # PAB18348). Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of EPHA2/EPHA3/EPHA4.
Immunogen	A synthetic peptide corresponding to residues surrounding Y588/Y596 of human EPHA2/EPHA3/EPHA4.
Host	Rabbit
Reactivity	Human, Rat
Specificity	This antibody is specific to EPHA2/EPHA3/EPHA4.

Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunofluorescence (1:500-1:1000) ELISA (1:40000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	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)

Western blot analysis of extracts from NIH/3T3 cells, using EPHA2/EPHA3/EPHA4 polyclonal antibody (Cat # PAB18348).
Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of A-549 cells, using EPHA2/EPHA3/EPHA4 polyclonal antibody (Cat # PAB18348).
Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — EPHA2

Entrez GeneID	1969
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

Gene Info — EPHA3**Entrez GeneID**[2042](#)**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 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. 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 kinase 1

Gene Info — EPHA4**Entrez GeneID**[2043](#)**Gene Name**

EPHA4

Gene Alias

HEK8, SEK, TYRO1

Gene Description

EPH receptor A4

Omim ID[602188](#)

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. [provided by RefSeq]
Other Designations	OTTHUMP00000164185 TYRO1 protein tyrosine kinase ephrin receptor EphA4 ephrin type-A receptor 4 receptor protein-tyrosine kinase HEK8 tyrosine-protein kinase receptor SEK

Publication Reference

- [Human dendritic cells express neuronal Eph receptor tyrosine kinases: role of EphA2 in regulating adhesion to fibronectin.](#)

de Saint-Vis B, Bouchet C, Gautier G, Valladeau J, Caux C, Garrone P.

Blood 2003 Dec; 102(13):4431.

Application: ICC, IHC, Flow Cyt, Human, Human dendritic cells, Human skin

Pathway

- [Axon guidance](#)
- [Axon guidance](#)
- [Axon guidance](#)

Disease

- [Alzheimer Disease](#)
- [Cataract](#)
- [Cognition Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)

- [Hearing Loss](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Parkinson disease](#)