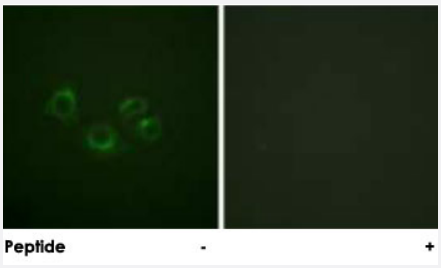
CellTx™

EPHA2/EPHA3/EPHA4 polyclonal antibody

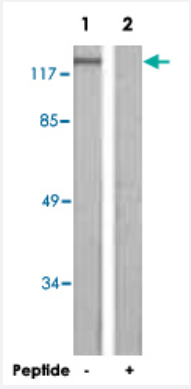
Catalog # PAB18348 Size 100 ug

Applications



Immunofluorescence

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



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".

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.

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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 shoul d be handled by trained staff only.

Applications

- Immunofluorescence

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

- Enzyme-linked Immunoabsorbent Assay

- 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".

Gene Info — EPHA2

Entrez GeneID	1969
Gene Name	EPHA2
Gene Alias	ECK
Gene Description	EPH receptor A2
Omim ID	176946
Gene Ontology	Hyperlink

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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

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 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

Gene Info — EPHA4

Entrez GeneID	2043
Gene Name	EPHA4
Gene Alias	HEK8, SEK, TYRO1
Gene Description	EPH receptor A4
Omim ID	602188

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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. [provided by RefSeq
Other Designations	OTTHUMP00000164185|TYRO1 protein tyrosine kinase|ephrin receptor EphA4|ephrin type-A rec eptor 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

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- Hearing Loss
- Pancreatic cancer
- Pancreatic Neoplasms
- Parkinson disease

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