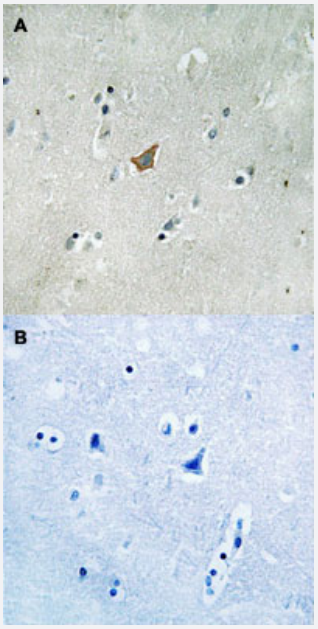
EPHA3/EPHA4/EPHA5 (phospho Y779/Y833) polyclonal antibody

Catalog # PAB29297 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human brain tissue with EPHA3/EPHA4/EPHA5 (phospho Y779/Y833) polyclonal antibody (Cat# PAB29297) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human EPHA3/EPHA4/EPHA5.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y779/Y833 of human EPHA3/EPHA4/EPHA5.
Host	Rabbit
Theoretical MW (kDa)	110
Reactivity	Human, Mouse
Specificity	EPHA3/EPHA4/EPHA5 (phospho Y779/Y833) polyclonal antibody detects endogenous levels of human EPHA3/EPHA4/EPHA5 only when phosphorylated at tyrosine 779/833.

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Form	Liquid
Purification	Affinity Chromatography
Recommend Usage	Immunohistochemistry (1:50~1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM 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

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human brain tissue with EPHA3/EPHA4/EPHA5 (phospho Y779/Y833) polyclonal antibody (Cat# PAB29297) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Gene Info — EPHA3

Entrez GeneID	2042
Protein Accession#	P29320;P54764;P54756
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

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Other Designations	TYRO4 protein tyrosine kinase|eph-like tyrosine kinase 1|ephrin receptor EphA3|human embryo kinase 1

Gene Info — EPHA4

Entrez GeneID	2043
Protein Accession#	P29320;P54764;P54756
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

Gene Info — EPHA5

Entrez GeneID	2044
Protein Accession#	P29320;P54764;P54756
Gene Name	EPHA5
Gene Alias	CEK7, EHK1, HEK7, TYRO4
Gene Description	EPH receptor A5
Omim ID	600004
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. Two transcript variants encoding differ ent isoforms have been found for this gene.
Other Designations	Eph homology kinase-1|ephrin receptor EphA5|ephrin type-A receptor 5|receptor protein-tyrosine kinase HEK7|tyrosine-protein kinase receptor EHK-1

Pathway

- Axon guidance
- Axon guidance
- Axon guidance

Disease

- Alzheimer Disease
- Cognition Disorders
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Pancreatic cancer
- Pancreatic Neoplasms
- Parkinson disease
- Tobacco Use Disorder

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