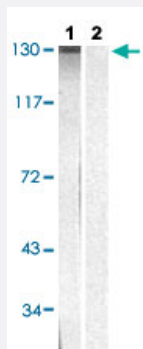


EPHA2/EPHA3/EPHA4 (phospho Y588/Y596) polyclonal antibody

Catalog # PAB29278

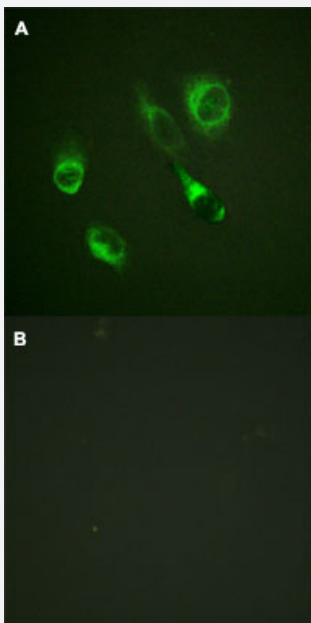
Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: HepG2 cells, Lane 2: antigen-specific peptide treated HepG2 cells with EPHA2/EPHA3/EPHA4 (phospho Y588/Y596) polyclonal antibody (Cat# PAB29278) at 1:500-1:1000 dilution.



Immunofluorescence

Immunofluorescence staining of methanol-fixed HeLa cells with EPHA2/EPHA3/EPHA4 (phospho Y588/Y596) polyclonal antibody (Cat# PAB29278) without blocking peptide (A) or preincubated with blocking peptide (B) at 1:100-1:200 dilution.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic phosphopeptide of human EPHA2/EPHA3/EPHA4.

Immunogen

Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y588/Y596 of human EPHA2/EPHA3/EPHA4.

Host	Rabbit
Theoretical MW (kDa)	130
Reactivity	Human, Mouse
Specificity	EPHA2/EPHA3/EPHA4 (phospho Y588/Y596) polyclonal antibody detects endogenous levels of human EPHA2/EPHA3/EPHA4 only when phosphorylated at tyrosine 588/596.
Form	Liquid
Purification	Affinity Chromatography
Recommend Usage	Immunofluorescence (1:100~1:200) Western Blot (1:500~1:1000) 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: HepG2 cells, Lane 2: antigen-specific peptide treated HepG2 cells with EPHA2/EPHA3/EPHA4 (phospho Y588/Y596) polyclonal antibody (Cat# PAB29278) at 1:500-1:1000 dilution.

- Immunofluorescence

Immunofluorescence staining of methanol-fixed HeLa cells with EPHA2/EPHA3/EPHA4 (phospho Y588/Y596) polyclonal antibody (Cat# PAB29278) without blocking peptide (A) or preincubated with blocking peptide (B) at 1:100-1:200 dilution.

Gene Info — EPHA2

Entrez GeneID	1969
Protein Accession#	P29317;P29320;P54764
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
Protein Accession#	P29317;P29320;P54764
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
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Protein Accession#	P29317;P29320;P54764
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

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](#)