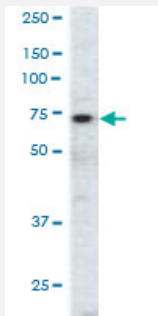


# EPHA3 polyclonal antibody

Catalog # PAB3006

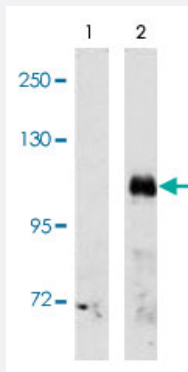
Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of EPHA3 polyclonal antibody (Cat # PAB3006) in CHO cell lysate. EPHA3 (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



### Western Blot (Transfected lysate)

Western blot analysis of EPHA3 (arrow) using EPHA3 polyclonal antibody (Cat # PAB3006). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EPHA3 gene (Lane 2).



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

Formalin-fixed and paraffin-embedded human placenta tissue reacted with EPHA3 polyclonal antibody (Cat # PAB3006), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

## Specification

### Product Description

Rabbit polyclonal antibody raised against synthetic peptide of EPHA3.

<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human EPHA3.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Hamster, Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification
<b>Recommend Usage</b>	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Western blot analysis of EPHA3 (arrow) using EPHA3 polyclonal antibody (Cat # PAB3006). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EPHA3 gene (Lane 2).

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## Gene Info — EPHA3

<b>Entrez GeneID</b>	<a href="#">2042</a>
<b>Protein Accession#</b>	<a href="#">P29320</a>
<b>Gene Name</b>	EPHA3

Gene Alias	ETK, ETK1, HEK, HEK4, TYRO4
Gene Description	EPH receptor A3
Omim ID	<a href="#">179611</a>
Gene Ontology	<a href="#">Hyperlink</a>
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

## Publication Reference

- [Identification of a tumor-specific shared antigen derived from an Eph receptor and presented to CD4 T cells on HLA class II molecules.](#)

Chiari R, Hames G, Stroobant V, Texier C, Maillere B, Boon T, Coulie PG.  
Cancer Research 2000 Sep; 60(17):4855.

- [Molecular cloning of HEK, the gene encoding a receptor tyrosine kinase expressed by human lymphoid tumor cell lines.](#)

Wicks IP, Wilkinson D, Salvaris E, Boyd AW.  
PNAS 1992 Mar; 89(5):1611.

Application: IF, Monkey, COS cells

- [Isolation and characterization of a novel receptor-type protein tyrosine kinase \(hek\) from a human pre-B cell line.](#)

Boyd AW, Ward LD, Wicks IP, Simpson RJ, Salvaris E, Wilks A, Welch K, Loudovaris M, Rockman S, Busmanis I.  
The Journal of Biological Chemistry 1992 Feb; 267(5):3262.

## Pathway

- [Axon guidance](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)