



Anti-EPHA2 (aa 204-326) polyclonal antibody (DPAB-DC833)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

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. Mutations in this gene are the cause of certain genetically-related cataract disorders.[provided by RefSeq, May 2010]

Immunogen

EPHA2 (AAH37166, 204 a.a. ~ 326 a.a) partial recombinant protein with GST tag. The sequence is
 LLQGLAHFPETIAGSDAPS LATVAGTCVDHAVVPPGEEPRMHCAVDGEWLVPIGQCLCQ
 AGYEKVEDACQACSPGFFKFEASESPCLECPEHTLPSPEGATSCECEEGFFRAPQDPASM
 PCT

Source/Host

Mouse

Species Reactivity

Human

Conjugate

Unconjugated

Applications

WB (Recombinant protein), ELISA,

Size

50 µl

Buffer

50 % glycerol

Preservative

None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	EPHA2 EPH receptor A2 [Homo sapiens (human)]
Official Symbol	EPHA2
Synonyms	EPHA2; EPH receptor A2; ECK; CTPA; ARCC2; CTPP1; CTRCT6; ephrin type-A receptor 2; soluble EPHA2 variant 1; tyrosine-protein kinase receptor ECK; epithelial cell receptor protein tyrosine kinase;
Entrez Gene ID	1969
Protein Refseq	NP_004422
UniProt ID	A0A024QZA8
Chromosome Location	1p36
Pathway	Arf6 signaling events; Direct p53 effectors; EPHA2 forward signaling; PI3K-Akt signaling pathway
Function	ATP binding; ephrin receptor activity; protein binding; transmembrane receptor protein tyrosine kinase activity