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Anti-EPHA8 (pY615) Antibody

Rabbit polyclonal antibody to EPHA8 (pY615)
Catalog # AP61091

Specification

Anti-EPHA8 (pY615) Antibody - Product Information

Application	**WB**
Primary Accession	P29322
Other Accession	O09127
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**111003**

Anti-EPHA8 (pY615) Antibody - Additional Information

Gene ID 2046

Other Names
EEK; HEK3; KIAA1459; Ephrin type-A receptor 8; EPH- and ELK-related kinase; EPH-like kinase 3; EK3; hEK3; Tyrosine-protein kinase receptor EEK

Target/Specificity
Recognizes endogenous levels of EPHA8 (pY615) protein.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-EPHA8 (pY615) Antibody - Protein Information

Name EPHA8

Synonyms EEK, HEK3, KIAA1459

Function
Receptor tyrosine kinase which binds promiscuously GPI- anchored ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. The GPI-anchored ephrin-A EFNA2, EFNA3, and EFNA5 are able to activate EPHA8 through phosphorylation. With EFNA5 may regulate integrin-mediated cell adhesion and migration on

fibronectin substrate but also neurite outgrowth. During development of the nervous system also plays a role in axon guidance. Downstream effectors of the EPHA8 signaling pathway include FYN which promotes cell adhesion upon activation by EPHA8 and the MAP kinases in the stimulation of neurite outgrowth (By similarity).

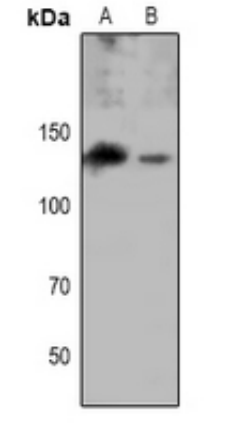
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:O09127}; Single-pass type I membrane protein. Cell projection {ECO:0000250|UniProtKB:O09127}. Early endosome membrane {ECO:0000250|UniProtKB:O09127}. Note=Undergoes clathrin-mediated endocytosis upon EFNA5-binding and is targeted to early endosomes {ECO:0000250|UniProtKB:O09127}

Anti-EPHA8 (pY615) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-EPHA8 (pY615) Antibody - Images



Western blot analysis of EPHA8 (pY615) expression in NIH3T3 (A), H9C2 (B) whole cell lysates.

Anti-EPHA8 (pY615) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EPHA8. The exact sequence is proprietary.