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Eph Receptor A6 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7611b

Specification

Eph Receptor A6 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q62413
Other Accession	P54758, Q9UF33
Reactivity	**Human, Mouse**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**1006-1035**

Eph Receptor A6 Antibody (C-term) - Additional Information

Other Names
Ephrin type-A receptor 6, EPH homology kinase 2, EHK-2, Epha6, Ehk-2, Ehk2

Target/Specificity
This Eph Receptor A6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1006-1035 amino acids from the C-terminal region of human Eph Receptor A6.

Dilution
WB~~1:2000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Eph Receptor A6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Eph Receptor A6 Antibody (C-term) - Protein Information

Name Epha6

Synonyms Ehk-2, Ehk2

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 (By similarity).

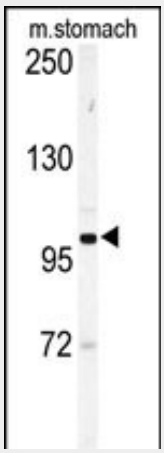
Cellular Location
Membrane; Single-pass type I membrane protein.

Eph Receptor A6 Antibody (C-term) - 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

Eph Receptor A6 Antibody (C-term) - Images



Western blot analysis of Eph receptor A6 (EPHA6) Antibody (C-term) (Cat.# AP7611b) in mouse stomach tissue lysates (35ug/lane). EPHA6 (arrow) was detected using the purified Pab.

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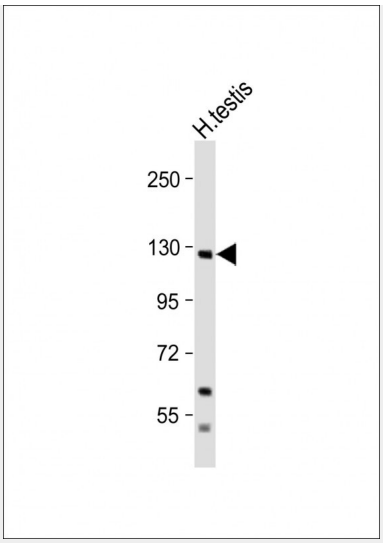
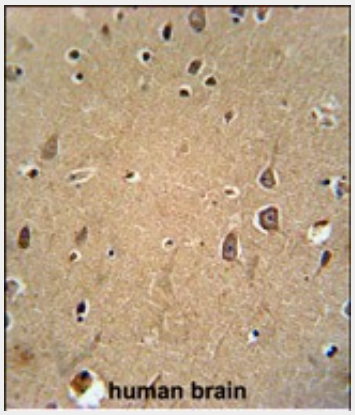


Anti-RAT) Epha6 Antibody at 1:2000 dilution + Human testis cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 116 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Eph receptor A6 (EPHA6) Antibody (C-term) (Cat. #AP7611b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the Eph receptor A6 (EPHA6) Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Eph Receptor A6 Antibody (C-term) - Background

Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).

Eph Receptor A6 Antibody (C-term) - References

Lee, A.M., et al., DNA Cell Biol. 15(10):817-825 (1996).