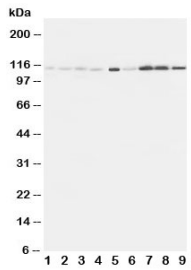
EphA1 Antibody (R30649)

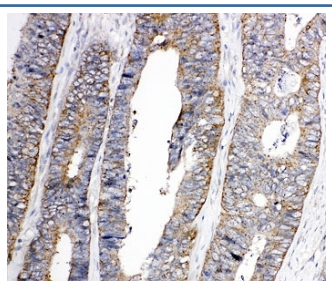
Catalog No.	Formulation	Size
R30649	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

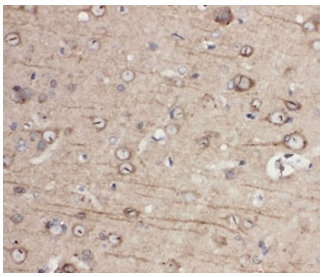
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P21709
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This EphA1 antibody is available for research use only.



Western blot testing of EphA1 antibody and Lane 1: rat liver; 2: (r) lung; 3: (r) intestine; 4: (r) ovary; 5: U87; 6: A549; 7: COLO320; 8: SW620; 9: HeLa cell lysate. Predicted molecular weight: ~108kDa.



IHC-P: EphA1 antibody testing of human colon cancer tissue. HIER: steamed with pH6 citrate buffer.



IHC-P: EphA1 antibody testing of rat brain tissue. HIER: steamed with pH6 citrate buffer.

Description

EPH receptor A1, is a protein that in humans is encoded by the EPHA1 gene. This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. The gene is mapped to 7q34-q35. 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. They are divided into two groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene is expressed in some human cancer cell lines and has been implicated in carcinogenesis.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the EphA1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human EphA1 (HQKRILCSIQGFKD) was used as the immunogen for this EphA1 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the EphA1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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