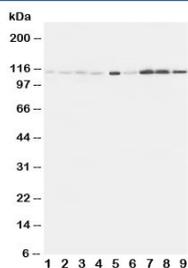


## EphA1 Antibody (R30649)

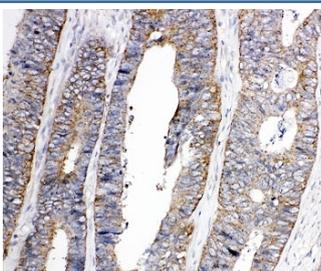
Catalog No.	Formulation	Size
R30649	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

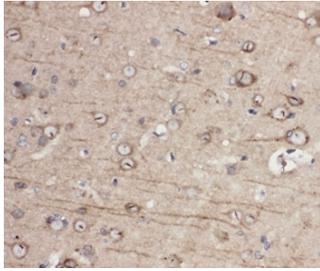
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P21709
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	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.