Product Name: EphA1 Mouse Monoclonal Antibody
Catalog #: AMM80532
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	108kDa

Antigen Information

Gene Name	EphA1
Alternative Names	EPH; EPHT; EPHT1
Gene ID	2041.0
SwissProt ID	P21709
Immunogen	Purified recombinant fragment of EphA1 expressed in E. Coli.

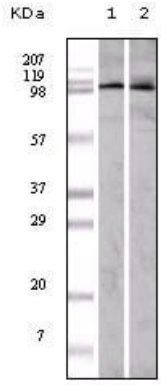
Background

EPH receptor A1 (EphA1), with 976-amino acid protein(about 107 kDa), belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. The Eph subfamily represents the largest group of receptor protein tyrosine kinases identified to date and their ligands, the ephrins,can be subdivided into two major subclasses, ephrin-A and ephrin-B. Interaction of Eph

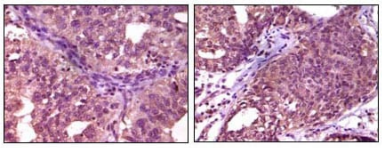
receptor tyrosine kinases with their membrane bound ephrin ligands initiates bidirectional signaling events that regulate cell migratory and adhesive behavior, particularly in the nervous system. They have been implicated in various developmental processes, including axonal guidance, angiogenesis, morphogenesis and carcinogenesis.

Research Area

Image Data



Western blot analysis using EphA1 mouse mAb against A549 (1) and Hela (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human ovary carcinoma (left) and breast carcinoma (right), showing cytoplasmic localization using EphA1 mouse mAb with DAB staining.