

EPHA1-specific Monoclonal antibody

Catalog Number: 60155-2-Ig

1 Publications

Basic Information

Catalog Number:

60155-2-Ig

Size:

1100 µg/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC130291

GeneID (NCBI):

2041

UNIPROT ID:

P21709

Full Name:

EPH receptor A1

Calculated MW:

108 kDa

Observed MW:

108 kDa

Purification Method:

Caprylic acid/ammonium sulfate precipitation

CloneNo.:

1B7C3

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, COLO 320 cells, HepG2 cells

IHC : human breast cancer tissue, human liver cancer tissue, human stomach cancer tissue

Background Information

EPHA1, also named as EPH, EPHT and EPHT1, belongs to ephrin receptor subfamily of the protein-tyrosine kinase family. 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. Ligands in the ephrin-A subclass, including the prototype family member ephrin-A1 (B61), are membrane associated through glycosylphosphatidyl-inositol linkages, whereas ephrin-B subclass consists of ligands with transmembrane domains. The general role of the Eph family is in mediating repulsive cell-cell interaction.

Notable Publications

Author	Pubmed ID	Journal	Application
Renjie Wang	37389689	Metab Brain Dis	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

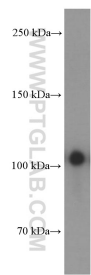
For technical support and original validation data for this product please contact:

T: 4006900926

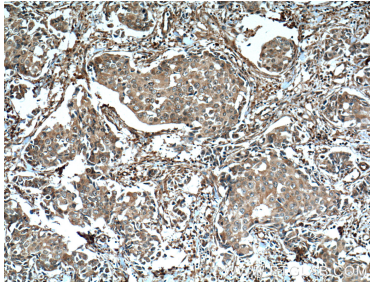
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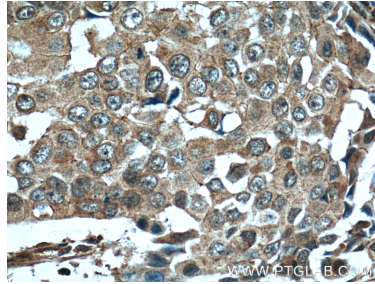
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 60155-2-Ig (EPA1-specific antibody at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60155-2-Ig (EPA1-specific antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60155-2-Ig (EPA1-specific antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).