

For Research Use Only

EPHA1-specific Monoclonal antibody



Catalog Number: 60155-2-Ig **1 Publications**

Basic Information

Catalog Number: 60155-2-Ig	GenBank Accession Number: BC130291	Purification Method: Caprylic acid/ammonium sulfate precipitation
Size: 150ul, Concentration: 1100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2041	CloneNo.: 1B7C3
Source: Mouse	UNIPROT ID: P21709	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500
Isotype: IgG1	Full Name: EPH receptor A1	
	Calculated MW: 108 kDa	
	Observed MW: 108 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HeLa cells, COLO 320 cells, HepG2 cells
Cited Applications: WB	IHC : human breast cancer tissue, human liver cancer tissue, human stomach cancer tissue
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	

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 glycosylphosphatidylinositol 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

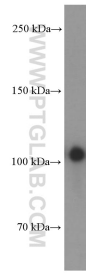
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

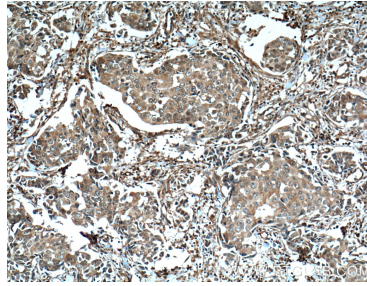
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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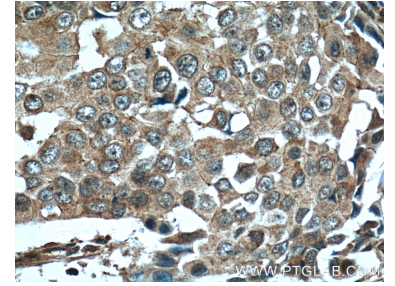
Selected Validation Data



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).