

For Research Use Only

Mouse EPHA2 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 87904-1-PBS



Basic Information

Catalog Number:	87904-1-PBS	GenBank Accession Number:	NM_010139.3	Purification Method:	Protein A purification
Source:	Rabbit	GeneID (NCBI):	13836	CloneNo.:	253572H2
Isotype:	IgG	UNIPROT ID:	Q03145		
Immunogen Catalog Number:	EG8778	Full Name:	Eph receptor A2		
		Calculated MW:	109 kDa		
		Observed MW:	130 kDa		

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
mouse

Background Information

EPH receptor A2 (EPHA2) is a receptor tyrosine kinase (RTK) of the Eph receptor family that primarily binds glycosylphosphatidylinositol (GPI)-anchored ephrin-A ligands, especially ephrin-A1 (EFNA1), to mediate contact-dependent cell-cell signaling. In mice, EphA2 is broadly expressed in epithelial, endothelial, and selected stromal compartments, where it regulates cell adhesion, polarity, migration, proliferation, barrier organization, and tissue architecture.

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

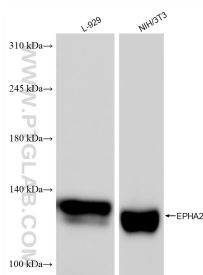
T: 4006900926

E: Proteintech-CN@ptglab.com

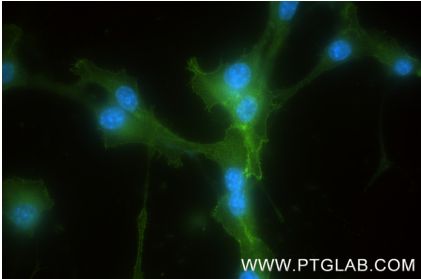
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

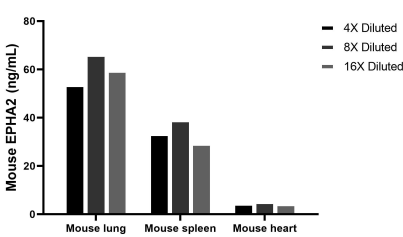
Selected Validation Data



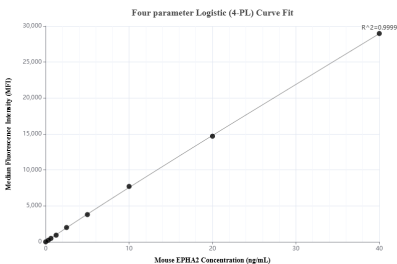
Various lysates were subjected to SDS PAGE followed by western blot with 87904-1-RR (EPHA2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87904-1-PBS in a different storage buffer formulation.



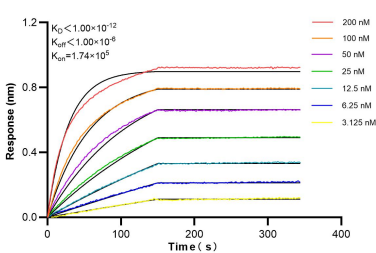
Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using EPHA2 antibody (87904-1-RR, Clone: 253572H2) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 87904-1-PBS in a different storage buffer formulation.



The mean EPHA2 concentration was determined to be 59.7 ng/mL in mouse lung tissue extract based on a 5.0 mg/mL extract load, 33.8 ng/mL in mouse spleen tissue extract based on a 7.6 mg/mL extract load, 4.6 ng/mL in mouse heart tissue extract based on a 5.4 mg/mL extract load.



Cytometric bead array standard curve of MP03249-1, MOUSE EPHA2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87904-2-PBS. Detection antibody: 87904-1-PBS. Standard: Eg8778. Range: 0.312-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 87904-1-RR against Mouse EPHA2 were performed. The affinity constant is below 1 pM.