

EPHA2 Recombinant monoclonal antibody

Catalog Number: 87904-1-RR

Basic Information

Catalog Number: 87904-1-RR	GenBank Accession Number: NM_010139.3	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 13836	CloneNo.: 253572H2
Isotype: IgG	UNIPROT ID: Q03145	Recommended Dilutions: WB: 1:2000-1:10000 IF/ICC: 1:200-1:800
Immunogen Catalog Number: EG8778	Full Name: Eph receptor A2	
	Calculated MW: 109 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: mouse	WB : L-929 cells, NIH/3T3 cells IF/ICC : NIH/3T3 cells,

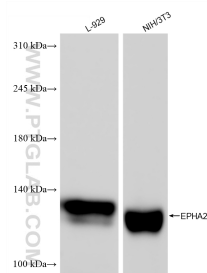
Background Information

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.

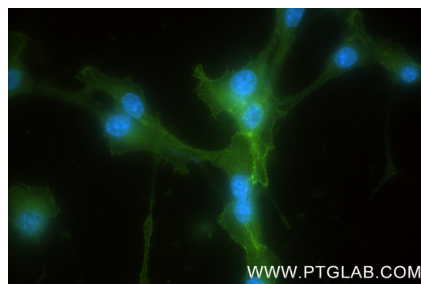
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

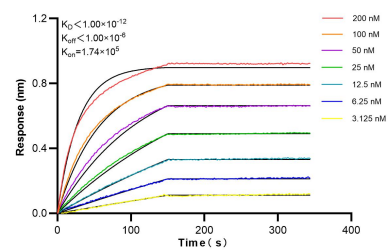
Selected Validation Data



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.



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).



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