

For Research Use Only

Mouse Epha4 Recombinant monoclonal antibody, PBS Only

Catalog Number: 88021-1-PBS



Basic Information

Catalog Number: 88021-1-PBS	GenBank Accession Number: NM_007936.3	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 13838	CloneNo.: 260150A12
Isotype: IgG	UNIPROT ID: Q03137-1	
Immunogen Catalog Number: EG8776	Full Name: Eph receptor A4	
	Calculated MW: 110 kDa	
	Observed MW: 120 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
mouse, rat

Background Information

EPH receptor A4 (EPHA4) is a member of the Eph receptor family of receptor tyrosine kinases (RTKs) that interacts with both ephrin-A and ephrin-B ligands, making it one of the most versatile Eph receptors. In mice, Epha4 is highly expressed in the central nervous system, particularly during development, where it regulates axon guidance, neuronal pathfinding, synaptic plasticity, and neural circuit formation. EPHA4 mediates contact-dependent bidirectional signaling, often inducing cell repulsion and boundary formation, which is critical for proper tissue patterning. Beyond development, EPHA4 continues to function in the adult CNS, contributing to synaptic remodeling and neuronal regeneration responses.

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:

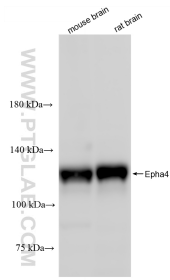
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E: Proteintech-CN@ptglab.com

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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 88021-1-RR (Epha4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88021-1-PBS in a different storage buffer formulation.