

For Research Use Only

PDGFR beta/CD140b Monoclonal antibody

Catalog Number: 60535-13-Ig



Basic Information

Catalog Number: 60535-13-Ig	GenBank Accession Number: BC032224	Purification Method: Protein A purification
Source: Mouse	GeneID (NCBI): 5159	CloneNo.: 4E2D5
Isotype: IgG2a	UNIPROT ID: P09619	Recommended Dilutions: WB: 1:2000-1:10000
Immunogen Catalog Number: EG0147	Full Name: platelet-derived growth factor receptor, beta polypeptide	
	Calculated MW: 1106 aa, 124 kDa	
	Observed MW: 160-180 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SH-SY5Y cells, U2OS cells, SK-N-SH cells
Species Specificity: human	

Background Information

PDGFRs are receptor tyrosine kinases with an extracellular ligand-binding domain and a cytoplasmic enzymatic domain. The signaling activity of PDGFRs is tightly regulated by an autoinhibitory allosteric conformation, and requires ligand-induced receptor dimerization at the cell surface to alleviate autoinhibition and achieve physiological activity (PMID: 21664579). PDGFR beta (platelet-derived growth factor receptor- β)/CD140b is a constitutive marker expressed by ASCs in the angiogenic behavior of human retinal endothelial cells (HREs). CD140b (PDGFR β) plays a crucial role in controlling the intrinsic proliferation (PMID: 30976657)

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

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

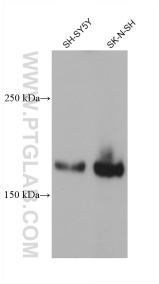
T: 4006900926

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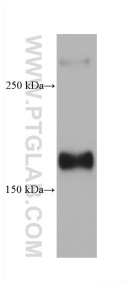
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60535-13-Ig (PDGFR beta/CD140b antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



U2OS cells were subjected to SDS PAGE followed by western blot with 60535-13-Ig (PDGFR beta/CD140b antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.