

PDGF Receptor beta Rabbit mAb

Catalog No: #48722

Package Size: #48722-1 50ul #48722-2 100ul



Signalway Antibody

Orders: order@signalwayantibody.com
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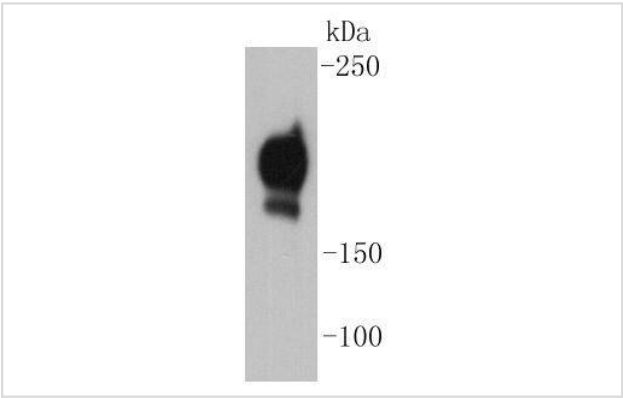
Description

Product Name	PDGF Receptor beta Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SY10-08
Purification	ProA affinity purified
Applications	WB, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Beta platelet derived growth factor receptor antibody Beta-type platelet-derived growth factor receptor antibody CD 140B antibody CD140 antigen-like family member B antibody CD140b antibody CD140b antigen antibody IBGC4 antibody IMF1 antibody JTK12 antibody OTTHUMP00000160528 antibody PDGF R beta antibody PDGF-R-beta antibody PDGFR 1 antibody PDGFR antibody PDGFR beta antibody PDGFR1 antibody PDGFRB antibody PGFRB_HUMAN antibody Platelet derived growth factor receptor 1 antibody Platelet derived growth factor receptor beta antibody Platelet derived growth factor receptor beta polypeptide antibody
Accession No.	Swiss-Prot#:P09619
Calculated MW	170 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

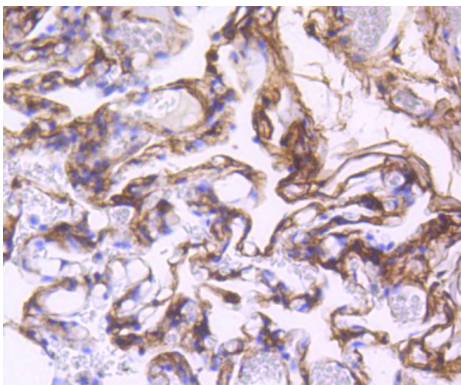
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200

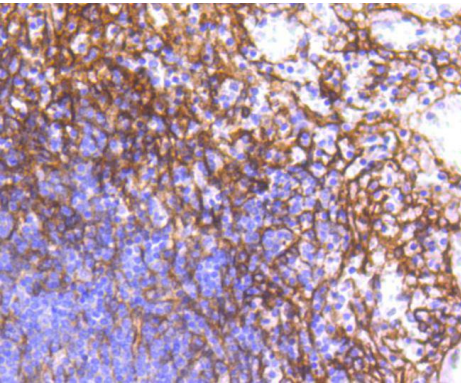
Images



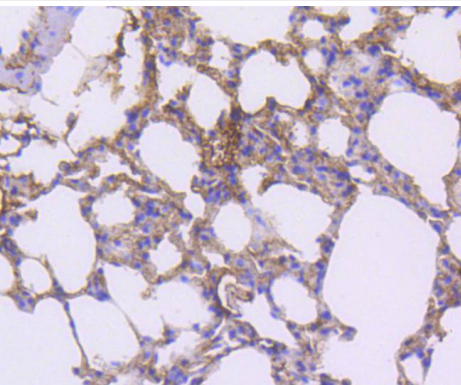
Western blot analysis of PDGF Receptor beta on NIH/3T3 cell lysates using anti-PDGF Receptor beta antibody at 1/1,000 dilution.



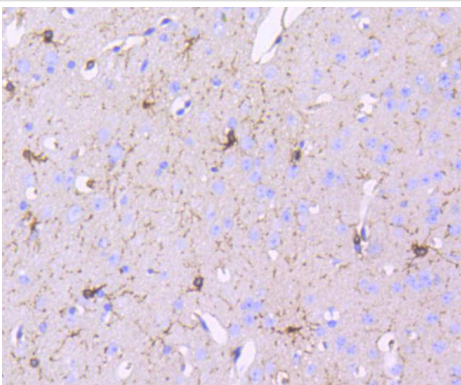
Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-PDGF Receptor beta antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-PDGF Receptor beta antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-PDGF Receptor beta antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-PDGF Receptor beta antibody. Counter stained with hematoxylin.

Background

Platelet-derived growth factor (PDGF) is a mitogen for mesenchyme- and glia-derived cells. PDGF consists of two chains, A and B, which dimerize to form functionally distinct isoforms, PDGF-AA, PDGF-AB and PDGF-BB. These three isoforms bind with different affinities to two receptor types, PDGFR- α and PDGFR- β , which are endowed with protein tyrosine kinase domains. PDGFR- α can bind to both A and B subunits of PDGF, while PDGFR- β can only bind the B subunit. Ligand binding promotes either homo- or heterodimerization of the PDGF receptors in a specific manner. PDGF-AA induces the dimerization of two α receptors, PDGF-AB induces dimerization of $\alpha\alpha$ and $\alpha\beta$ and PDGF-BB induces the formation of three types of dimers, $\alpha\alpha$, $\alpha\beta$ and $\beta\beta$. Translocation of the PDGFR- gene with the Tel gene is linked to chronic myelomonocytic leukemia (CMML), a myelodysplastic syndrome, and demonstrates the oncogenic potential of the PDGF receptors.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.