

Datasheet for ABIN878660

anti-PDGFRB antibody (pTyr1021) (AbBy Fluor® 488)



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Overview

Quantity:	100 µL
Target:	PDGFRB
Binding Specificity:	pTyr1021
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDGFRB antibody is conjugated to AbBy Fluor® 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PDGF Receptor beta around the phosphorylation site of Tyr1021 [ND(p-Y)II]
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PDGFRB
Alternative Name:	PDGF Receptor beta (PDGFRB Products)

Target Details

Background: Synonyms: PDGFRBphospho Y1021, PDGF Receptor beta phospho Y1021, PDGF Receptor beta phospho Tyr1021, Beta platelet derived growth factor receptor, Beta-type platelet-derived growth factor receptor, CD 140B, CD140 antigen-like family member B, CD140B, CD140B, CD140b antigen, JTK12, OTTHUMP00000160528, PDGF R beta, PDGF-R-beta, PDGFR 1, PDGFR, PDGFR beta, PDGFR1, PDGFRB, PGFRB_HUMAN, Platelet derived growth factor receptor 1, Platelet derived growth factor receptor beta, Platelet derived growth factor receptor beta, polypeptide.

Background: This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor, all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia. [provided by RefSeq].

Gene ID: 5159

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Inositol Metabolic Process](#), [Glycosaminoglycan Metabolic Process](#), [Smooth Muscle Cell Migration](#), [Platelet-derived growth Factor Receptor Signaling](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months