Rabbit Anti-PDGFRB Polyclonal Antibody

CPB-1109RH Rabbit(PDGFRB)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-PDGFRB Polyclonal Antibody
Antigen Description	PDGF Receptor β encodes a cell surface tyrosine kinase receptor for member 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 geterodimer, composed if both platelet-derived growth factor receptor alpha and beta polypeptides. A translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia.
specificity	The antibody detects endogenous level of total PDGFRB protein.
Target	PDGFRB
Immunogen	Peptide sequence around aa.749-753 (V-D-Y-V-P) derived from Human PDGFRB.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat.
conjugation	N/A
Applications	WB

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at-20°C /1 year.

ANTIGEN GENE INFORMATION

Gene Name	PDGFRB platelet-derived growth factor receptor, beta polypeptide [Homo sapiens]
Official Symbol	PDGFRB
Synonyms	PDGFRB; platelet-derived growth factor receptor, beta polypeptide; PDGFR; platelet-derived growth factor receptor beta; CD140b; JTK12; PDGFR1; PDGFR-beta; PDGF-R-beta; CD140 antigen-like family member B; platelet-derived growth factor receptor 1; beta-type platelet-derived growth factor receptor; CD140B; PDGFR-1;
GeneID	5159
mRNA Refseq	NM_002609
Protein Refseq	NP_002600
MIM	173410
UniProt ID	P09619
Chromosome Location	5q33.1

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Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Downstream signal transduction, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem;
Function	ATP binding; nucleotide binding; platelet activating factor receptor activity; platelet-derived growth factor beta-receptor activity; platelet-derived growth factor beta-receptor activity; platelet-derived growth factor binding; platelet-derived growth factor binding; platelet-derived growth factor receptor binding; platelet-derived growth factor-activated receptor activity; protein binding; protein tyrosine kinase activity; protein tyrosine kinase activity; receptor activity; receptor binding; signal transducer activity; vascular endothelial growth factor binding;

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