OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PP1062B2

PDGF beta (PDGFB) (PDGF-BB) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	**Direct ELISA:** To detect Human PDGF-BB by direct ELISA (using 100 µl/well antibody solution) this antibody can be used at a concentration of ~1.0 µg/ml. This Biotinylated antibody allows the detection of at least 0.2 ng/well of recombinant hPDGF-BB. **Sandwich ELISA:** To detect Human PDGF-BB by Sandwich ELISA (using 100 µl/well antibody solution) this antibody can be used at a concentration of 0.25-1.0 µg/ml. This Biotinylated antibody, in conjunction with anti-Human PDGF-BB antibody (PP1062P1 or PP1062P2) as a Capture antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant hPDGF-BB. **Western Blot:** To detect hPDGF-BB by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hPDGF-BB is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) Recombinant Human PDGF-B.
Specificity:	Recognizes Human Platelet Derived Growth Factor BB (hPDGF-BB)
Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction. Label: conjugated
Reconstitution Method:	Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography.
Conjugation:	Biotin
Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.

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Gene Name:	platelet derived growth factor subunit B
Database Link:	Entrez Gene 5155 Human P01127
Background:	Platelet Derived Growth Factor (PDGF) is the major serum mitogen for cells of mesenchymal origin in humans. The biologically active protein is a dimer composed of two related polypeptides designated A and B, the dimers being connected by disulfide bonds. The PDGF protein has been implicated both directly as well as indirectly in several pathological states including neoplasia, arthritis, arteriosclerosis and bone marrow sclerosis.
Synonyms:	Platelet-derived growth factor subunit B, PDGF beta, PDGF B, PDGF-B, Platelet-derived growth factor beta, PDGF subunit B, Platelet-derived growth factor B chain, PDGF2, PDGF-2, c-Sis, SIS, Becaplermin
Note:	Centrifuge vial prior to opening!
Protein Families:	Druggable Genome
Protein Pathways:	Cytokine-cytokine receptor interaction, Focal adhesion, Gap junction, Glioma, MAPK signaling pathway, Melanoma, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma