

# Biotin Conjugated Anti-Human PDGF-BB Antibody [PSH05-99] - Detector

## HA722585B



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	ELISA(Det)
<b>Molecular Wt:</b>	Predicted band size: 27 kDa
<b>Clone number:</b>	PSH05-99

**Description:** Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin. Required for normal proliferation and recruitment of pericytes and vascular smooth muscle cells in the central nervous system, skin, lung, heart and placenta. Required for normal blood vessel development, and for normal development of kidney glomeruli. Plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFA. A form of basal ganglia calcification, an autosomal dominant condition characterized by symmetric calcification in the basal ganglia and other brain regions. Affected individuals can either be asymptomatic or show a wide spectrum of neuropsychiatric symptoms, including parkinsonism, dystonia, tremor, ataxia, dementia, psychosis, seizures, and chronic headache. Serum levels of calcium, phosphate, alkaline phosphatase and parathyroid hormone are normal. The neuropathological hallmark of the disease is vascular and pericapillary calcification, mainly of calcium phosphate, in the affected brain areas.

<b>Conjugate:</b>	Biotin-conjugated
<b>Immunogen:</b>	Recombinant protein within Human PDGF-B aa 82-190.
<b>Positive control:</b>	Recombinant standard Human PDGF-BB protein (HA210859).
<b>Subcellular location:</b>	Secreted
<b>Database links:</b>	SwissProt: P01127 Human

**Recommended Dilutions:**  
**ELISA(Det)** Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH05-98] to Human PDGF-BB (Capture) (HA722497) and recombinant standard Human PDGF-BB protein (HA210859) as the standard. The reference range value is 30.9-2500 pg/ml.

<b>Storage Buffer:</b>	PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% ProClin300.
<b>Storage Instruction:</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.
<b>Purity:</b>	Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

No Images

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Vanlandewijck M., Lebouvier T., Andaloussi Maee M., Nahar K., Hornemann S., Kenkel D., Cunha S.I., Lennartsson J., Boss A., Betsholtz C. Functional characterization of germline mutations in PDGFB and PDGFRB in primary familial brain calcification. PLoS ONE 10:E0143407-E0143407 (2015)
2. Keller A., Westenberger A., Sobrido M.J., Garcia-Murias M., Domingo A., Sears R.L., Lemos R.R., Ordonez-Ugalde A., Nicolas G., Oliveira J.R. Mutations in the gene encoding PDGF-B cause brain calcifications in humans and mice. Nat. Genet. 45:1077-1082 (2013)

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