

Product datasheet for **TA321502**

PDGF beta (PDGFB) Rabbit Polyclonal Antibody

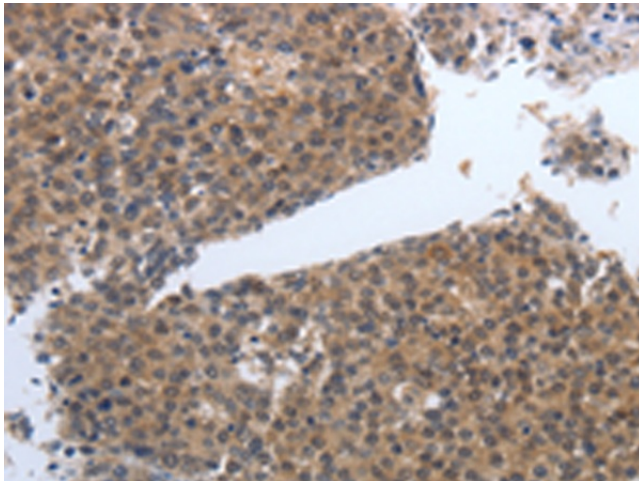
Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 101-115 amino acids of Human platelet-derived growth factor beta polypeptide
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	platelet derived growth factor subunit B
Database Link:	NP_002599 Entrez Gene 18591 Mouse Entrez Gene 24628 Rat Entrez Gene 5155 Human P01127

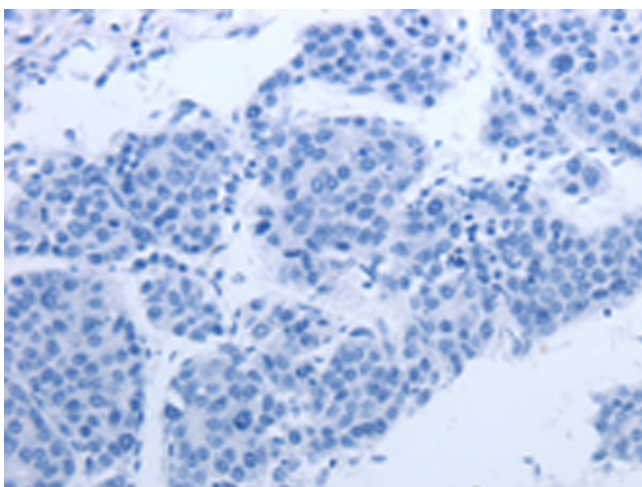


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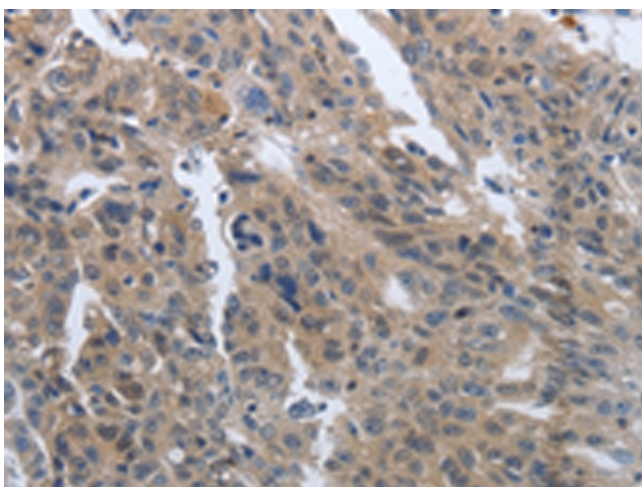
Background:	The protein encoded by this gene is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a motif of eight cysteines. This gene product can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB); where the dimers are connected by disulfide bonds. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 7; at sites where this gene and that for COL1A1 are located; are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans resulting from unregulated expression of growth factor. Two alternatively spliced transcript variants encoding different isoforms have been identified for this gene.
Synonyms:	c-sis; IBGC5; PDGF-2; PDGF2; SIS; SSV
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

Product images:

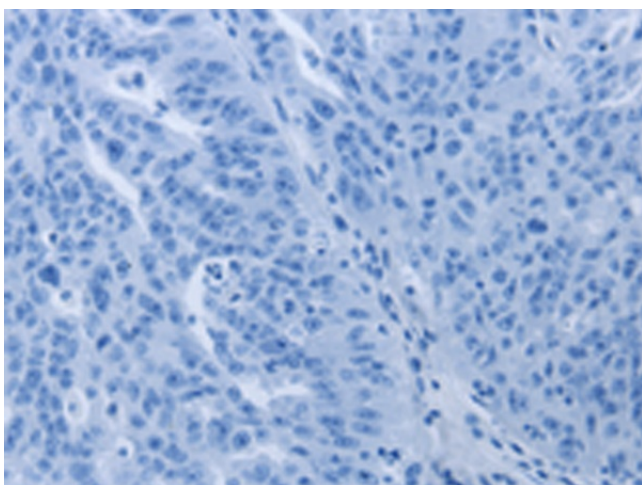
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA321502 (PDGFB Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA321502 (PDGFB Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321502 (PDGFB Antibody) at dilution 1/40 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321502 (PDGFB Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: x200)