

Product datasheet for **TA321534**

Pleiotrophin (PTN) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human colon cancer tissue
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 33-47 amino acids of human pleiotrophin
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.
Predicted Protein Size:	19 kDa
Gene Name:	pleiotrophin
Database Link:	NP_002816 Entrez Gene 19242 Mouse Entrez Gene 24924 Rat Entrez Gene 5764 Human P21246



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Background:

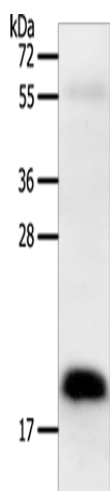
Pleiotrophin (PTN) also known as heparin-binding brain mitogen (HBBM) or heparin-binding growth factor 8 (HBGF-8) or neurite growth-promoting factor 1 (NEGF1) or heparin affinity regulatory peptide (HARP) or heparin binding growth associated molecule (HB-GAM) is a protein that in humans is encoded by the PTN gene. Pleiotrophin is an 18-kDa growth factor that has a high affinity for heparin. It is structurally related to midkine and retinoic acid induced heparin-binding protein. Secreted growth factor that induces neurite outgrowth and which is mitogenic for fibroblasts; epithelial; and endothelial cells. Binds anaplastic lymphoma kinase (ALK) which induces MAPK pathway activation; an important step in the anti-apoptotic signaling of PTN and regulation of cell proliferation.

Synonyms:

HARP; HBGF8; HBNF; NEGF1

Protein Families:

Druggable Genome, Phosphatase, Secreted Protein, Transmembrane

Product images:

Gel: 12% SDS-PAGE

Lysate: 40 µg

Lane: Human colon cancer tissue

Primary antibody: TA321534 (PTN Antibody) at dilution 1/600

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 20 seconds