



## Rabbit Anti-PTN antibody

SL21928R

<b>Product Name:</b>	PTN
<b>Chinese Name:</b>	多效生长因子抗体
<b>Alias:</b>	pleiotrophin; HARP; HBBM; HBGM; HBGF8; HBNF; HBNF1; Heparin Binding Growth Factor 8; Heparin binding neurite outgrowth promoting factor 1; heparin-binding growth associated molecule; NEGF1; Neurite Growth Promoting Factor 1; OSF-1; osteoblast-specific factor; PTN; PTN HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	15kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PTN:101-168/168
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Pleiotrophin is a heparin-binding growth factor involved in the differentiation and proliferation of neuronal tissue during embryogenesis, and also secreted by melanoma and breast carcinoma cells. Pleiotrophin exhibits mitogenic and angiogenic properties and has been shown to influence the vascular supply, expansion and metastasis of

tumour cells.

**Function:**

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.

**Subunit:**

Interacts with ALK and NEK6.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Osteoblast and brain.

**Post-translational modifications:**

Phosphorylated by NEK6.

**Similarity:**

Belongs to the pleiotrophin family.

**SWISS:**

P21246

**Gene ID:**

5764

**Database links:**

[Entrez Gene: 5764](#) Human

[Entrez Gene: 19242](#) Mouse

[Entrez Gene: 24924](#) Rat

[Omim: 162095](#) Human

[SwissProt: P21246](#) Human

[SwissProt: P63089](#) Mouse

[SwissProt: P63090](#) Rat

[Unigene: 371249](#) Human

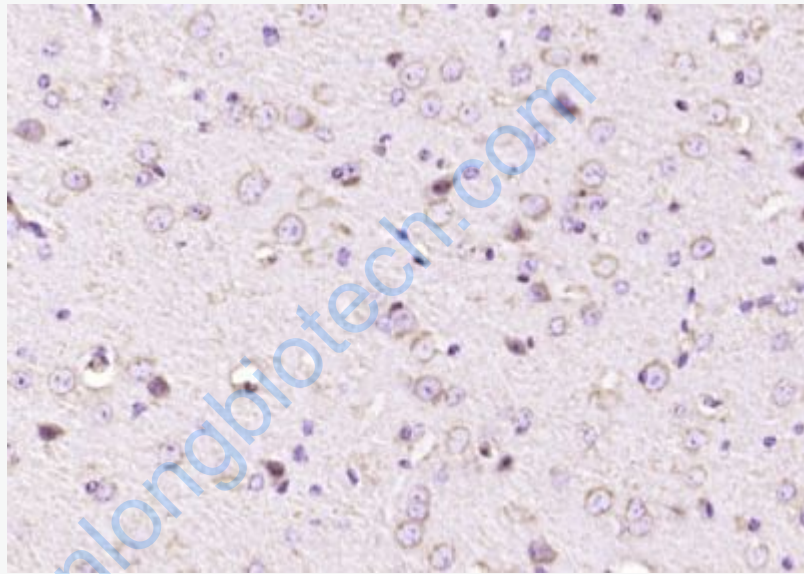
[Unigene: 279690](#) Mouse

[Unigene: 1653](#) Rat

**Important Note:**

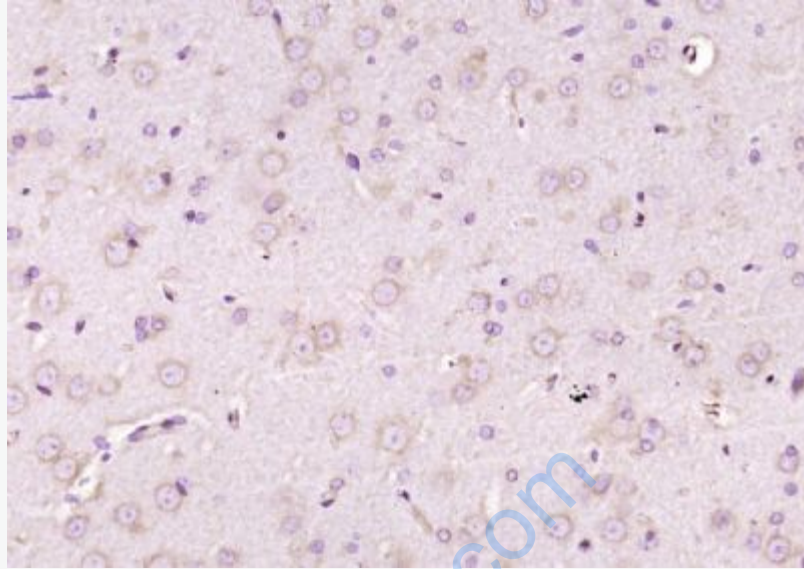
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多效生长因子(pleiotrophin)是一种分泌性的生长因子,具有促进Tumour细胞的增殖与迁移,对Tumour血管的生成有促进作用。



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PTN) Polyclonal Antibody, Unconjugated (SL21928R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PTN) Polyclonal Antibody, Unconjugated (SL21928R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.