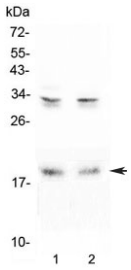
Pleiotrophin Antibody (RQ4370)

Catalog No.	Formulation	Size
RQ4370	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Predicted Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P21246
Localization	Secreted
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Pleiotrophin antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain lysate with Pleiotrophin antibody at 0.5ug/ml. Predicted molecular weight ~19 kDa.

Description

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. PTN is the first member of a family of developmentally regulated cytokines. The PTN gene is mapped to 7q33-q34. A mutant PTN that contained only the first N-terminal 40 amino acids was a dominant negative. Pleiotrophin is expressed in the central and peripheral nervous system and also in several non-neural tissues, notably lung, kidney, gut and bone. Pleiotrophin binds to cell-surface nucleolin as a low affinity receptor. This binding can inhibit HIV infection.

Application Notes

Optimal dilution of the Pleiotrophin antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids G33-D168 was used as the immunogen for the Pleiotrophin antibody.

Storage

After reconstitution, the Pleiotrophin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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