Rabbit Pleiotrophin Polyclonal Antibody | anti-PTN antibody

Anti-Pleiotrophin antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44992	**Rabbit**	**Reacts with: Human, RatPredicted to work with: Mouse**	**Immunohistochemistry, Western Blot**

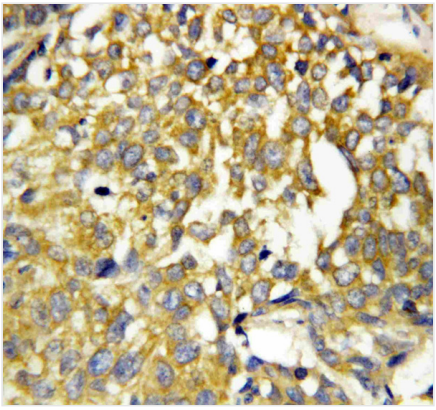
PRODUCT SYNONYMS

Pleiotrophin; Polyclonal Antibody; Anti-Pleiotrophin antibody; Pleiotrophin(PTN); pleiotrophin; HARP antibody; HB-GAM antibody; HBBM antibody; HBGAM antibody; HBGF-8 antibody; HBGF8 antibody; HBNF antibody; HBNF-1 antibody; HBNF1 antibody; Heparin binding growth associated molecule antibody; Heparin binding growth factor 8 antibody; Heparin binding neurite outgrowth promoting factor 1 antibody; Heparin-binding brain mitogen antibody; Heparin-binding growth factor 8 antibody; Heparin-binding growth-associated molecule antibody; Heparin-binding neurite outgrowth-promoting factor 1 antibody; NEGF1 antibody; Neurite growth promoting factor 1 antibody; OSF-1 antibody; OSF1 antibody; Osteoblast-specific factor 1 antibody; Pleiotrophin antibody; PTN antibody; PTN_HUMAN antibody; anti-PTN antibody

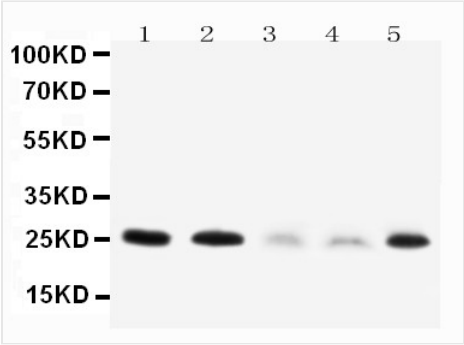
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reacts with: Human, Rat Predicted to work with: Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	168
Applicable Applications for anti-PTN antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Pleiotrophin (150-168aa QAESKKKKKEGKKQEKMLD), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohiostchemistry)
Anti-Pleiotrophin antibody, AAA44992, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti-Pleiotrophin antibody, AAA44992, Western blottingLane 1: Rat Brain Tissue LysateLane 2: Rat Kidney Tissue LysateLane 3: MCF-7 Cell LysateLane 4: HT1080 Cell LysateLane 5: SMMC Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PTN antibody	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. 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. The internal QC lab provides a series of assays reacted with primary antibodides. Antibody can be supported by chemiluminescence kit MBS176460 in WB, supported by MBS176451 in IHC(P).

NCBI AND UNIPROT INFORMATION

NCBI GI #	131553
NCBI GeneID	5764
UniProt Accession #	P21246; Q5U0B0; Q6ICQ5; Q9UCC6
NCBI Official Full Name	Pleiotrophin
NCBI Official Synonym Full Names	pleiotrophin
NCBI Official Symbol	PTN
NCBI Official Synonym Symbols	HARP; HBNF; HBGF8; NEGF1
NCBI Protein Information	pleiotrophin; HBBM; OSF-1; HB-GAM; HBGF-8; HBNF-1; osteoblast-specific factor 1; heparin-binding brain mitogen; heparin binding growth factor 8; heparin-binding growth factor 8; heparin affin regulatory protein; neurite growth-promoting factor 1; heparin-binding growth-associated molecule; heparin-binding neurite outgrowth-promoting factor 1; pleiotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1)
UniProt Protein Name	Pleiotrophin
UniProt Gene Name	**PTN**
UniProt Synonym Gene Names	HBNF1; NEGF1; PTN; HBBM; HBGF-8; HB-GAM; HBNF-1; OSF-1
UniProt Entry Name	PTN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.