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# Datasheet for ABIN3032264 anti-Pleiotrophin antibody (C-Term)

3 Images



Overview

Quantity:	100 µg
Target:	Pleiotrophin (PTN)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Pleiotrophin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	An amino acid sequence from the C-terminus of human Pleiotrophin
	(QAESKKKKKEGKKQEKMLD) was used as the immunogen for this Pleiotrophin antibody (100%

	(QALSKKKKKLGKKQLKWLD) was used as the initial logen for this Fleiotrophin antibody (100%
	homologous in human, mouse and rat).
lsotype:	lgG
Purification:	Antigen affinity

## Target Details

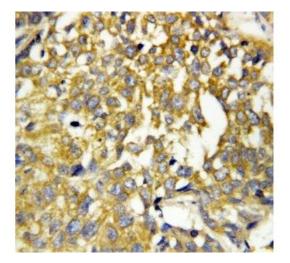
Target:	Pleiotrophin (PTN)
Alternative Name:	Pleiotrophin (PTN Products)
Background:	Pleiotrophin(PTN) also known as heparin-binding brain mitogen(HBBM) or heparin-binding
	growth factor 8(HBGF-8) or neurite growth-promoting factor 1(NEGF1) or heparin affinity

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## Target Details

	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.
UniProt:	P21246
Pathways:	RTK Signaling
Application Details	
Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the
Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the Pleiotrophin antibody may be required due to differences in protocols and secondary/substrate
Application Notes:	
Application Notes: Restrictions:	Pleiotrophin antibody may be required due to differences in protocols and secondary/substrate
	Pleiotrophin antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL
Restrictions:	Pleiotrophin antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL
Restrictions: Handling	Pleiotrophin antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL For Research Use only
Restrictions: Handling Buffer:	Pleiotrophin antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL For Research Use only 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

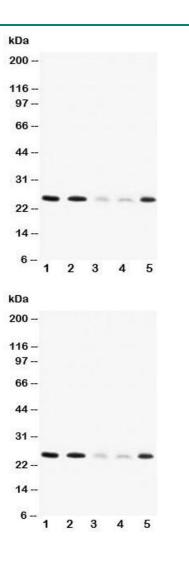
### Images



#### Immunohistochemistry

**Image 1.** IHC-P: Pleiotrophin antibody testing of human breast cancer tissue

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#### Western Blotting

**Image 2.** Western blot testing of Pleiotrophin antibody and Lane 1: rat brain; 2: rat kidney; 3: MCF-7; 4: HT1080; 5: SMMC-7721 cell lysate

#### Western Blotting

**Image 3.** Western blot testing of Pleiotrophin antibody and Lane 1: rat brain

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