

## Datasheet

### PTN monoclonal antibody (M01), clone 5C3

**Catalog Number:** H00005764-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant PTN.

**Clone Name:** 5C3

**Immunogen:** PTN (NP\_002816, 45 a.a. ~ 154 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

SDCGEWQWSVCVPTSGDCGLGTREGTRTGAECKQT  
MKTQRCKIPCNWKKQFGAECKYQFQAWGECDLNTAL  
KTRTGSLKRALHNAECQKTVTISKPCGKLTKPKQAES  
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**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IHC-P, S-ELISA, WB-Ce, WB-Re, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG1 Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5764

**Gene Symbol:** PTN

**Gene Alias:** HARP, HBGF8, HBNF, NEGF1

**References:**

1. Expression of the growth factor pleiotrophin and its

receptor protein tyrosine phosphatase beta/zeta in the serum, cartilage and subchondral bone of patients with osteoarthritis. Kaspiris A, Mikelis C, Heroult M, Khaldi L, Grivas TB, Kouvaras I, Dangas S, Vasiliadis E, Liote F, Courty J, Papadimitriou E. Joint Bone Spine. 2013 Jan 17. doi:pii: S1297-319X(12)00296-5. 10.1016/j.jbspin.2012.10.024. [Epub ahead of print]

2. Interplay between  $\alpha$ 5 $\beta$ 1 Integrin and Nucleolin Regulates Human Endothelial and Glioma Cell Migration. Koutsoumpa M, Polytarchou C, Courty J, Zhang Y, Kieffer N, Mikelis C, Skandalis SS, Hellman U, Iliopoulos D, Papadimitriou E. J Biol Chem. 2013 Jan 4;288(1):343-54. doi: 10.1074/jbc.M112.387076. Epub 2012 Nov 16.

3. Pleiotrophin promotes microglia proliferation and secretion of neurotrophic factors by activating extracellular signal-regulated kinase 1/2 pathway. Miao J, Ding M, Zhang A, Xiao Z, Qi W, Luo N, Di W, Tao Y, Fang Y. Neurosci Res. 2012 Sep 18. pii: S0168-0102(12)00173-3. doi: 10.1016/j.neures.2012.09.001. [Epub ahead of print]