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PTN Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant PTN.
Catalog # AT3492a

Product Information

Application	WB, IHC
Primary Accession	P21246
Other Accession	NM_002825
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2E4
Calculated MW	18942

Additional Information

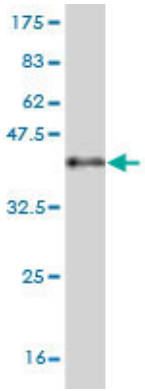
Gene ID	5764
Other Names	Pleiotrophin, PTN, Heparin-binding brain mitogen, HBBM, Heparin-binding growth factor 8, HBGF-8, Heparin-binding growth-associated molecule, HB-GAM, Heparin-binding neurite outgrowth-promoting factor 1, HBNF-1, Osteoblast-specific factor 1, OSF-1, PTN, HBNF1, NEGF1
Target/Specificity	PTN (NP_002816, 45 a.a. ~ 154 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PTN Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

References

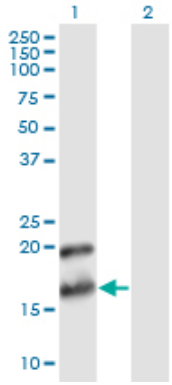
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Midkine and pleiotrophin have bactericidal properties: preserved antibacterial activity in a family of heparin-binding growth factors during evolution. Svensson SL, et al. J Biol Chem, 2010 May 21. PMID 20308059.Host factor pleiotrophin induces human immunodeficiency virus type 1 replication associated with inflammatory cytokine expression. M'Bika JP, et al. J Gen Virol, 2010 May. PMID 20032204.Antitumorigenic effects of a mutant of the heparin affin regulatory peptide on the U87 MG glioblastoma cell line. Dos Santos C, et al. Int J Cancer, 2010 Sep 1. PMID

20013808.Pleiotrophin (PTN) is expressed in vascularized human atherosclerotic plaques: IFN-{gamma}/JAK/STAT1 signaling is critical for the expression of PTN in macrophages. Li F, et al. FASEB J, 2010 Mar. PMID 19917672.

Images

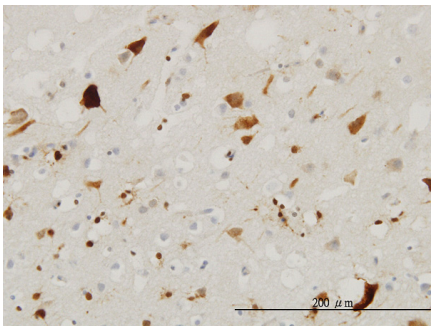


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



Western Blot analysis of PTN expression in transfected 293T cell line by PTN monoclonal antibody (M02), clone 2E3.

Lane 1: PTN transfected lysate(18.9 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to PTN on formalin-fixed paraffin-embedded human cerebral cortex. [antibody concentration 3 ug/ml]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.