

PTN Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant PTN.

Catalog # AT3492a

Specification

PTN Antibody (monoclonal) (M02) - Product Information

Application	WB, IHC
Primary Accession	P21246
Other Accession	NM_002825
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	18942

PTN Antibody (monoclonal) (M02) - 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

Format

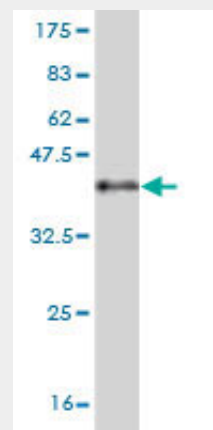
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

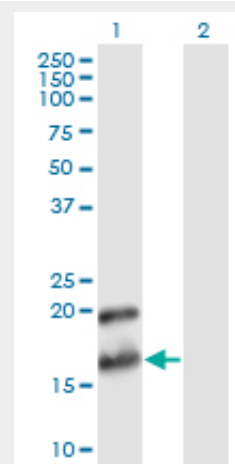
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

PTN Antibody (monoclonal) (M02) is for research use only and not for use in



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.

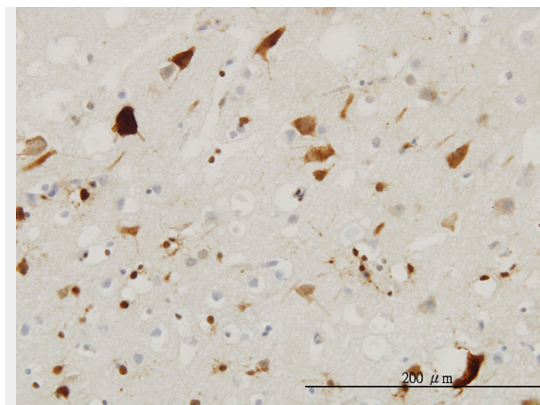
Lane 1: PTN transfected lysate(18.9 KDa).
Lane 2: Non-transfected lysate.

diagnostic or therapeutic procedures.

PTN Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



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

PTN Antibody (monoclonal) (M02) - 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 affinity 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- γ /JAK/STAT1 signaling is critical for the expression of PTN in macrophages. Li F, et al. FASEB J, 2010 Mar. PMID 19917672.