

TPR Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TPR.

Catalog # AT4324a

Product Information

Application	WB, IHC, E
Primary Accession	P12270
Other Accession	NM_003292
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1A8
Calculated MW	267293

Additional Information

Gene ID	7175
Other Names	Nucleoprotein TPR, Megator, NPC-associated intranuclear protein, Translocated promoter region protein, TPR
Target/Specificity	TPR (NP_003283, 1 a.a. ~ 98 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 E~~N/A
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	TPR Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

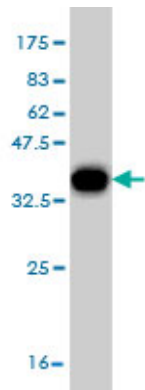
This gene encodes a large coiled-coil protein that forms intranuclear filaments attached to the inner surface of nuclear pore complexes (NPCs). The protein directly interacts with several components of the NPC. It is required for the nuclear export of mRNAs and some proteins. Oncogenic fusions of the 5' end of this gene with several different kinase genes occur in some neoplasias.

References

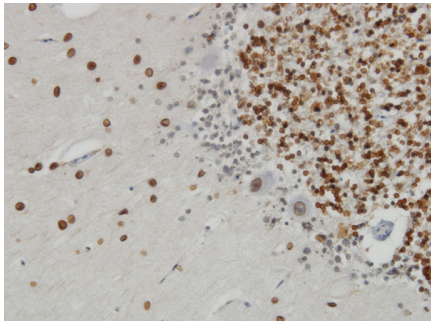
1. Herpes Simplex Virus Replication: Roles of Viral Proteins and Nucleoporins in Capsid-Nucleus Attachment. Copeland AM, Newcomb WW, Brown JC. J Virol. 2009 Feb;83(4):1660-8. Epub 2008 Dec

10.2.Quantitative Analysis of HIV-1 Infected CD4+ Cell Proteome: Dysregulated Cell Cycle Progression and Nuclear Transport Coincide with Robust Virus Production.Chan EY, Qian WJ, Diamond DL, Liu T, Gritsenko MA, Monroe ME, Camp DG 2nd, Smith RD, Katze MG.J Virol. 2007 Jul;81(14):7571-83. Epub 2007 May 9.

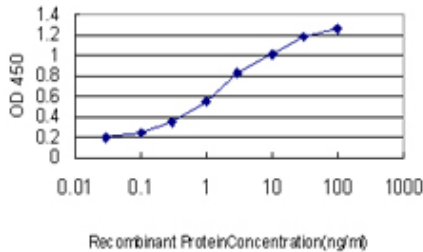
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .



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



Detection limit for recombinant GST tagged TPR is approximately 0.1ng/ml as a capture antibody.

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