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# 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

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|---|---|
| **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

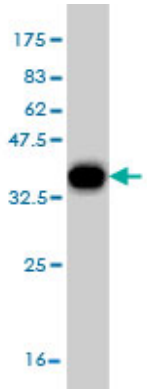
This gene encodes a large coiled-coil protein that forms intranuclear filaments attached to the inner surface of nuclear pore complexes (NPCs). The protein directly interacts with several components of the NPC. It is required for the nuclear export of mRNAs and some proteins. Oncogenic fusions of the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

## References

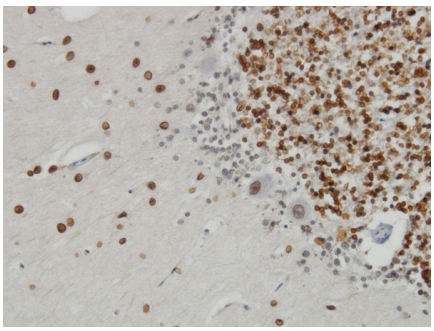
1.Herpes Simplex Virus Replication: Roles of Viral Proteins and Nucleoporins in Capsid-Nucleus Attachment.Copeland AM, Newcomb WW, Brown JC.J Virol. 2009 Feb;83(4):1660-8. Epub 2008 Dec

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.

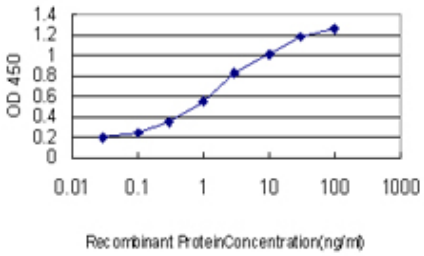
## Images




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'.