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THAP1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant THAP1.
Catalog # AT4231a

Product Information

Application	WB, IF
Primary Accession	Q9NVV9
Other Accession	BC021721
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2C1-2F2
Calculated MW	24944

Additional Information

Gene ID	55145
Other Names	THAP domain-containing protein 1, THAP1
Target/Specificity	THAP1 (AAH21721, 1 a.a. ~ 213 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
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	THAP1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

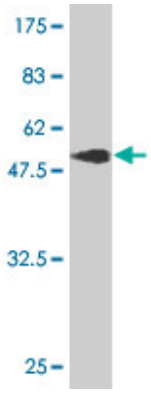
The protein encoded by this gene contains a THAP domain, a conserved DNA-binding domain. This protein colocalizes with the apoptosis response protein PAWR/PAR-4 in promyelocytic leukemia (PML) nuclear bodies, and functions as a proapoptotic factor that links PAWR to PML nuclear bodies. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

References

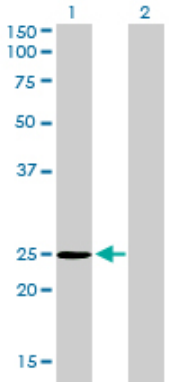
Prevalence of THAP1 sequence variants in German patients with primary dystonia. S?hn AS, et al. Mov Disord, 2010 Sep 15. PMID 20669277.THAP1 mutations (DYT6) are an additional cause of early-onset dystonia. Houlden H, et al. Neurology, 2010 Mar 9. PMID 20211909.The THAP-zinc finger protein THAP1

associates with coactivator HCF-1 and O-GlcNAc transferase: a link between DYT6 and DYT3 dystonias. Mazars R, et al. J Biol Chem, 2010 Apr 30. PMID 20200153.Structural determinants of specific DNA-recognition by the THAP zinc finger. Campagne S, et al. Nucleic Acids Res, 2010 Jun. PMID 20144952.Novel THAP1 sequence variants in primary dystonia. Xiao J, et al. Neurology, 2010 Jan 19. PMID 20083799.

Images

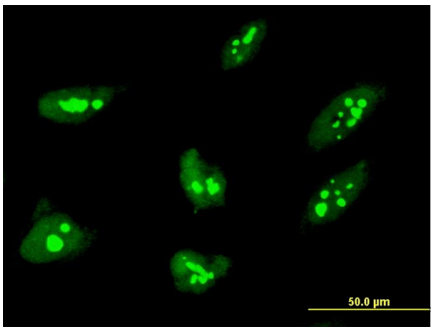


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (49.17 KDa) .

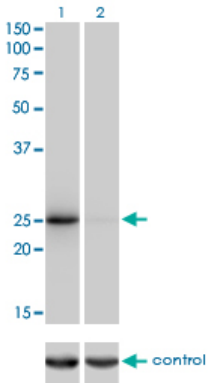


Western Blot analysis of THAP1 expression in transfected 293T cell line by THAP1 monoclonal antibody (M01), clone 2C1-2F2.

Lane 1: THAP1 transfected lysate(24.9 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to THAP1 on HeLa cell . [antibody concentration 10 ug/ml]



Western blot analysis of THAP1 over-expressed 293 cell line, cotransfected with THAP1 Validated Chimera RNAi ((Cat # AT4231a)

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