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AATF Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant AATF.
Catalog # AT1003a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q9NY61
Other Accession	BC000591
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3C7
Calculated MW	63133

Additional Information

Gene ID	26574
Other Names	Protein AATF, Apoptosis-antagonizing transcription factor, Rb-binding protein Che-1, AATF, CHE1, DED
Target/Specificity	AATF (AAH00591, 151 a.a. ~ 250 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 IF~~1:50~200 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	AATF Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

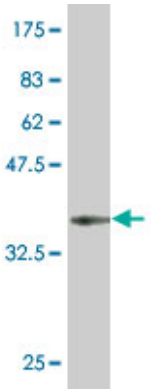
The protein encoded by this gene was identified on the basis of its interaction with MAP3K12/DLK, a protein kinase known to be involved in the induction of cell apoptosis. This gene product contains a leucine zipper, which is a characteristic motif of transcription factors, and was shown to exhibit strong transactivation activity when fused to Gal4 DNA binding domain. Overexpression of this gene interfered with MAP3K12 induced apoptosis.

References

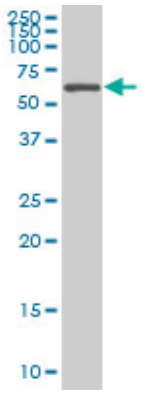
Che-1 promotes tumor cell survival by sustaining mutant p53 transcription and inhibiting DNA damage

response activation. Bruno T, et al. Cancer Cell, 2010 Aug 9. PMID 20708154.Use of genome-wide expression data to mine the Gray Zone of GWA studies leads to novel candidate obesity genes. Naukkarinen J, et al. PLoS Genet, 2010 Jun 3. PMID 20532202.Mutation analysis of the AATF gene in breast cancer families. Haanp?? M, et al. BMC Cancer, 2009 Dec 21. PMID 20025740.Sequential use of transcriptional profiling, expression quantitative trait mapping, and gene association implicates MMP20 in human kidney aging. Wheeler HE, et al. PLoS Genet, 2009 Oct. PMID 19834535.Cellular AATF gene: armour against HIV-1. Kaul D. Indian J Biochem Biophys, 2007 Oct. PMID 18341201.

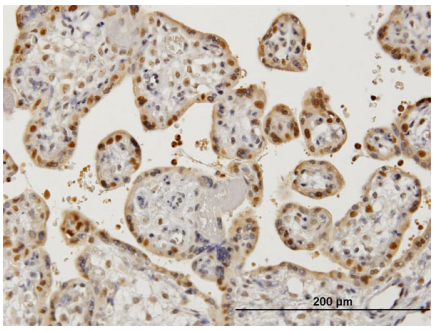
Images



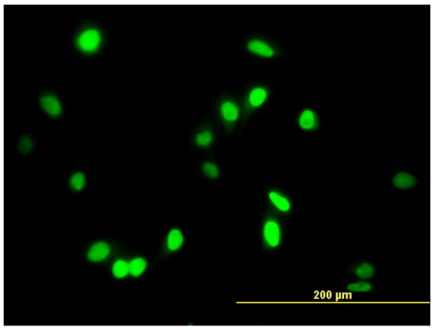
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



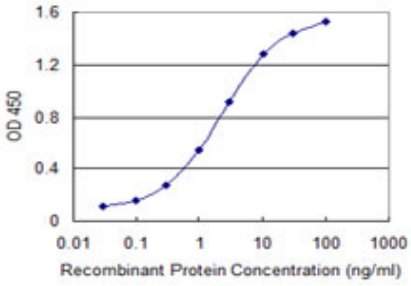
AATF monoclonal antibody (M04), clone 3C7 Western Blot analysis of AATF expression in Hela S3 NE ((Cat # AT1003a)



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



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



Detection limit for recombinant GST tagged AATF is 0.03 ng/ml as a capture antibody.

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