10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TFAP4 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant TFAP4.
Catalog # AT4214a

Product Information

Application	WB, IF
Primary Accession	Q01664
Other Accession	NM_003223
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	7C5
Calculated MW	38726

Additional Information

Gene ID	7023
Other Names	Transcription factor AP-4, Activating enhancer-binding protein 4, Class C basic helix-loop-helix protein 41, bHLHc41, TFAP4, BHLHC41
Target/Specificity	TFAP4 (NP_003214, 93 a.a. ~ 192 a.a) partial 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	TFAP4 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

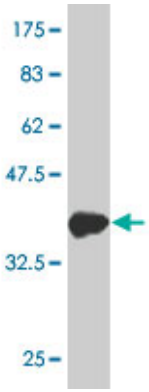
Transcription factors of the basic helix-loop-helix-zipper (bHLH-ZIP) family contain a basic domain, which is used for DNA binding, and HLH and ZIP domains, which are used for oligomerization. Transcription factor AP4 activates both viral and cellular genes by binding to the symmetrical DNA sequence CAGCTG (Mermod et al., 1988 [PubMed 2833704]; Hu et al., 1990 [PubMed 2123466]).

References

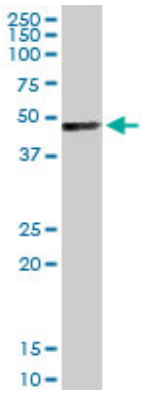
Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.Complementary quantitative proteomics reveals that transcription factor AP-4 mediates

E-box-dependent complex formation for transcriptional repression of HDM2. Ku WC, et al. Mol Cell Proteomics, 2009 Sep. PMID 19505873.AP4 encodes a c-MYC-inducible repressor of p21. Jung P, et al. Proc Natl Acad Sci U S A, 2008 Sep 30. PMID 18818310.Upregulation of activator protein-4 in human colorectal cancer with metastasis. Cao J, et al. Int J Surg Pathol, 2009 Feb. PMID 18480385.Transfer-NMR and docking studies identify the binding of the peptide derived from activating transcription factor 4 to protein ubiquitin ligase beta-TrCP. Competition STD-NMR with beta-catenin. Pons J, et al. Biochemistry, 2008 Jan 8. PMID 18052253.

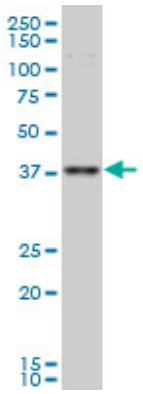
Images



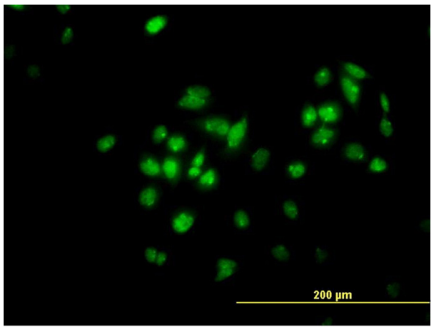
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



TFAP4 monoclonal antibody (M02), clone 7C5. Western Blot analysis of TFAP4 expression in human colon.



TFAP4 monoclonal antibody (M02), clone 7C5 Western Blot analysis of TFAP4 expression in Hela S3 NE ((Cat # AT4214a)



Immunofluorescence of monoclonal antibody to TFAP4 on HeLa cell. [antibody concentration 10 ug/ml]

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