

TFAP2B Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant TFAP2B.

Catalog # AT4212a

Product Information

Application	WB, IF
Primary Accession	Q92481
Other Accession	NM_003221
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2F6
Calculated MW	50474

Additional Information

Gene ID	7021
Other Names	Transcription factor AP-2-beta, AP2-beta, Activating enhancer-binding protein 2-beta, TFAP2B
Target/Specificity	TFAP2B (NP_003212, 73 a.a. ~ 182 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	TFAP2B Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

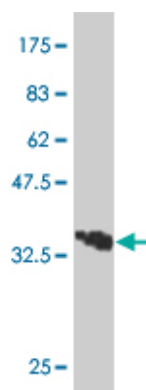
Background

This gene encodes a member of the AP-2 family of transcription factors. AP-2 proteins form homo- or hetero-dimers with other AP-2 family members and bind specific DNA sequences. They are thought to stimulate cell proliferation and suppress terminal differentiation of specific cell types during embryonic development. Specific AP-2 family members differ in their expression patterns and binding affinity for different promoters. This protein functions as both a transcriptional activator and repressor. Mutations in this gene result in autosomal dominant Char syndrome, suggesting that this gene functions in the differentiation of neural crest cell derivatives.

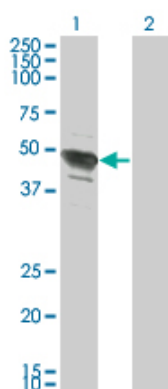
References

Polymorphisms in NRXN3, TFAP2B, MSRA, LYPLAL1, FTO and MC4R and their effect on visceral fat area in the Japanese population. Hotta K, et al. J Hum Genet, 2010 Aug 12. PMID 20703240. Transcription factor AP2 beta involved in severe female alcoholism. Nordquist N, et al. Brain Res, 2009 Dec 11. PMID 19778525. Genome-wide association scan meta-analysis identifies three Loci influencing adiposity and fat distribution. Lindgren CM, et al. PLoS Genet, 2009 Jun. PMID 19557161. Determination of genetic predisposition to patent ductus arteriosus in preterm infants. Dagle JM, et al. Pediatrics, 2009 Apr. PMID 19336370. The transcription factor TFAP2B is associated with insulin resistance and adiposity in healthy adolescents. Nordquist N, et al. Obesity (Silver Spring), 2009 Sep. PMID 19325541.

Images

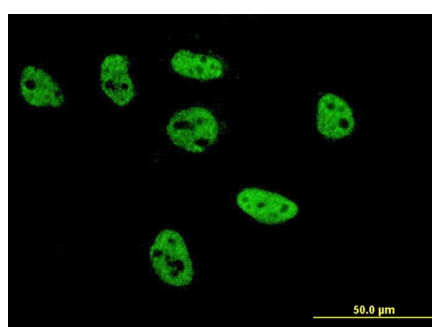


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .



Western Blot analysis of TFAP2B expression in transfected 293T cell line by TFAP2B monoclonal antibody (M02), clone 2F6.

Lane 1: TFAP2B transfected lysate (50.474 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to TFAP2B 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'.