

## TFAP2B Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant TFAP2B.

Catalog # AT4212a

### Specification

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#### TFAP2B Antibody (monoclonal) (M02) - Product Information

Application	IF, WB
Primary Accession	<a href="#">O92481</a>
Other Accession	<a href="#">NM_003221</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	50474

#### TFAP2B Antibody (monoclonal) (M02) - 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

##### 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.

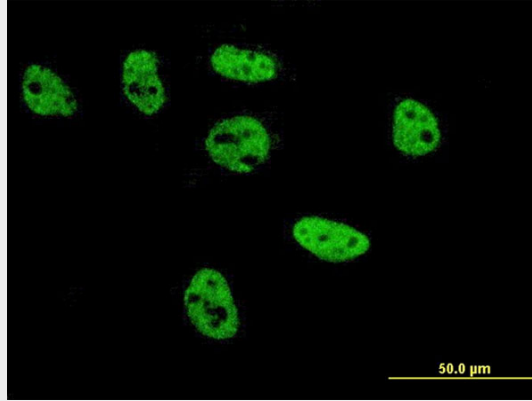
#### TFAP2B Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

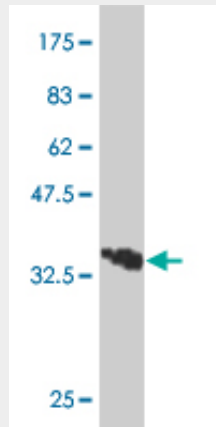
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

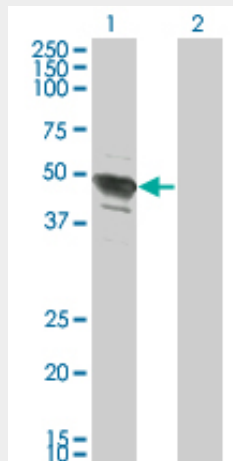
### TFAP2B Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to TFAP2B on HeLa cell . [antibody concentration 10 ug/ml]



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.

### **TFAP2B Antibody (monoclonal) (M02) - 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.

### **TFAP2B Antibody (monoclonal) (M02) - 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.