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TFAP2B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13256b

Specification

TFAP2B Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q92481
Other Accession	Q61313, NP_003212.2
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**50474**
Antigen Region	**431-462**

TFAP2B Antibody (C-term) - Additional Information

Gene ID 7021

Other Names
Transcription factor AP-2-beta, AP2-beta, Activating enhancer-binding protein 2-beta, TFAP2B

Target/Specificity
This TFAP2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 431-462 amino acids from the C-terminal region of human TFAP2B.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TFAP2B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TFAP2B Antibody (C-term) - Protein Information

Name TFAP2B

Function Sequence-specific DNA-binding protein that interacts with inducible viral and cellular enhancer elements to regulate transcription of selected genes. AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions including proper eye, face, body wall, limb and neural tube development. They also suppress a number of genes including MCAM/MUC18, C/EBP alpha and MYC. AP-2-beta appears to be required for normal face and limb development and for proper terminal differentiation and function of renal tubular epithelia.

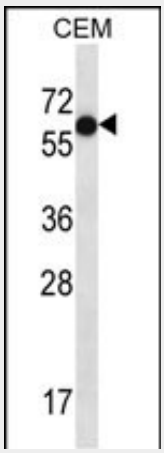
Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q61313}. Note=In the brain, localizes to the arcuate hypothalamic nucleus, the ventromedial hypothalamic nucleus and the accumbens nucleus of the ventral striatum. {ECO:0000250|UniProtKB:Q61313}

TFAP2B Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TFAP2B Antibody (C-term) - Images



TFAP2B Antibody (C-term) (Cat. #AP13256b) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the TFAP2B antibody detected the TFAP2B protein (arrow).

TFAP2B Antibody (C-term) - 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. [provided by RefSeq].

TFAP2B Antibody (C-term) - References

Li, X., et al. Genes Chromosomes Cancer 49(9):819-830(2010)
Hotta, K., et al. J. Hum. Genet. (2010) In press :
Ugi, S., et al. Obesity (Silver Spring) 18(7):1277-1282(2010)
Nordquist, N., et al. Brain Res. 1305 SUPPL, S20-S26 (2009) :
Lindgren, C.M., et al. PLoS Genet. 5 (6), E1000508 (2009) :