

TFAP2B Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13256b**Specification**

TFAP2B Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [O92481](#)**TFAP2B Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 7021**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13256b was selected from the C-term region of TFAP2B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TFAP2B Antibody (C-term) Blocking peptide - 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TFAP2B Antibody (C-term) Blocking peptide - Images**TFAP2B Antibody (C-term) Blocking peptide - 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) Blocking peptide - 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) :