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TFAP2A Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP1976b

Specification

TFAP2A Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P05549

TFAP2A Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7020

Other Names
Transcription factor AP-2-alpha, AP2-alpha, AP-2 transcription factor, Activating enhancer-binding protein 2-alpha, Activator protein 2, AP-2, TFAP2A, AP2TF, TFAP2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1976b was selected from the C-term region of human TFAP2A. 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.

TFAP2A Antibody (C-term) Blocking Peptide - Protein Information

Name TFAP2A

Synonyms AP2TF, TFAP2

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-alpha is the only AP-2 protein required for early morphogenesis of the lens vesicle. Together with the CITED2 coactivator, stimulates the PITX2 P1 promoter transcription activation. Associates with chromatin to the PITX2 P1 promoter region.

Cellular Location
Nucleus.

TFAP2A Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

TFAP2A Antibody (C-term) Blocking Peptide - Images

TFAP2A Antibody (C-term) Blocking Peptide - Background

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TFAP2A Antibody (C-term) Blocking Peptide - References

Provenzano,M.J., Exp. Mol. Pathol. 83 (2), 277-282 (2007)Tan,Y.R., Biochem. J. 405 (1), 131-137 (2007)Liu,H., EMBO Rep. 8 (4), 394-400 (2007)Han,S., J. Biol. Chem. 282 (11), 7961-7972 (2007)