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NFYA Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP2886b

Specification

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

Primary Accession P23511

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

Gene ID 4800

Other Names
Nuclear transcription factor Y subunit alpha, CAAT box DNA-binding protein subunit A, Nuclear transcription factor Y subunit A, NF-YA, NFYA

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2886b was selected from the C-term region of human NFYA. 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.

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

Name NFYA

Function
Component of the sequence-specific heterotrimeric transcription factor (NF-Y) which specifically recognizes a 5'-CCAAT-3' box motif found in the promoters of its target genes. NF-Y can function as both an activator and a repressor, depending on its interacting cofactors. NF-YA positively regulates the transcription of the core clock component BMAL1.

Cellular Location
Nucleus.

NFYA Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

NFYA Antibody (C-term) Blocking Peptide - Images

NFYA Antibody (C-term) Blocking Peptide - Background

NFYA is one subunit of a trimeric complex, forming a highly conserved transcription factor that binds to CCAAT motifs in the promoter regions in a variety of genes. Subunit A associates with a tight dimer composed of the B and C subunits, resulting in a trimer that binds to DNA with high specificity and affinity. The sequence specific interactions of the complex are made by the A subunit, suggesting a role as the regulatory subunit.

NFYA Antibody (C-term) Blocking Peptide - References

Lim,K., Biochem. Biophys. Res. Commun. 382 (3), 593-597 (2009)Petrovic,I., Mol. Biol. Rep. 36 (5), 993-1000 (2009)