

Anti-NF-Y (A subunit) (RABBIT) Antibody - 100-401-100

Code: 100-401-100

Size: 100 µL

Product Description: Anti-NF-Y (A subunit) (RABBIT) Antibody - 100-401-100

Concentration: 90 mg/ml by Refractometry

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	NFYA
Species Reactivity	human
Buffer	None
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	rabbit anti-NF-Y antibody, Nuclear transcription factor Y subunit alpha, Nuclear transcription factor Y subunit A, NF-YA, CAAT box DNA-binding protein subunit A
Application Note	Anti-NF-Y (A subunit) Antibody was assayed by immunoblot and found to be reactive against NF-Y (A subunit specific) at a dilution of 1:6,000 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat). Anti-NF-Y (A subunit specific) is suitable for the detection by immunoblot of human and mouse NF-Y. Negligible reactivity was observed against the B subunit of NF-Y. Anti-NF-Y (A subunit) Antibody was also tested in a gel supershift assay and found to be reactive against NF-Y using 1.0 to 2.0 µl per assay. Specific conditions should be optimized by user.
Background	Nuclear transcription factor Y subunit alpha is a protein that in humans is encoded by the NFYA gene. The protein encoded by this gene 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. In addition, there is evidence of post-transcriptional regulation in this gene product, either by protein degradation or control of translation. Further regulation is represented by alternative splicing in the glutamine-rich activation domain, with clear tissue-specific preferences for the two isoforms. Anti-NF-Y is ideal for investigators involved in transcription factor research.
Purity And Specificity	Anti-NF-Y (A subunit) Antibody was prepared from monospecific antiserum by delipidation and defibrination.
Assay Dilutions	User Optimized
ELISA	1:20,000 - 1:100,000
Gel Shift Dilution	Use 2.0 µL
Western Blot	1:2,000 - 1:10,000
Immunohistochemistry	1:400
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	NF-Y (A subunit specific) peptide corresponding to a region near the N-terminus of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).
General Reference	Subunits of the heterotrimeric transcription factor NFY are imported into the nucleus by distinct pathways involving importin beta and importin 13. Kahle, J., Baake, M. Doenecke, D., Albig, w. Mole. Cell Bio. (2005)
Related Products	

200-401-100

Anti-NF-Y (A subunit) (RABBIT) Antibody - 200-401-100

200-401-101	Anti-NF-Y (B subunit) (RABBIT) Antibody - 200-401-101
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
MB-017	10X SDS-PAGE Running Gel Buffer (0.25 M Tris HCl, 1.92 M Glycine, 1.0% SDS pH 8.3) - MB-017

Related Links

UniProtKB - P23511

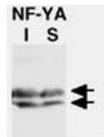
<http://www.uniprot.org/uniprot/P23511>

NCBI - CAI20286.1 <http://www.ncbi.nlm.nih.gov/protein/CAI20286.1>

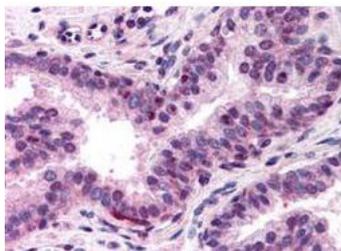
GeneID - 4800

Images

- 1 Western Blot of Rabbit Anti-NF-Y (A Subunit) Antibody. Lane 1: CHO-7 cells were cultured in the absence (I) of cholesterol. Lane 2: CHO-7 cells were cultured in the presence (S) of cholesterol. Load: 35 µg per lane. Primary antibody: NF-YA antibody at 1:1000 for overnight at 4°C. Secondary antibody: HRP conjugated Goat-anti-Rabbit IgG [H&L] secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: NF-YA recognized as a doublet of ~ 42 kDa in size. Other band(s): none.



- 2 Immunohistochemistry of Rabbit anti-NF-Y (A Subunit) antibody. Tissue: human prostate tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: NF-Y antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: NF-Y is nuclear. Staining: NF-Y subunit A as precipitated red signal with hematoxylin purple nuclear counterstain.



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