Datasheet for ABIN2777243

anti-NFYA antibody (C-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	NFYA
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFYA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human NFYA
Sequence:	YLHESRHRHA MARKRGEGGR FFSPKEKDSP HMQDPNQADE EAMTQIIRVS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 80%
Characteristics:	This is a rabbit polyclonal antibody against NFYA. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	NFYA

Target Details

Alternative Name:	NFYA (NFYA Products)
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. 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. Alias Symbols: HAP2, CBF-A, CBF-B, NF-YA Protein Interaction Partner: LUC7L2, POGZ, NFYB, GTF2A1, CSNK2A1, UBC, APPBP2, TP63, TP53, NFYC, EP300, CDK2, CCNA2, CDC25A, APP, RPS6KA6, JUN, HDAC1, ATF2, SP1, TAF6, TAF11, TAF12, PAPOLG, PWP1, SREBF2, ZHX2, ZHX1, ZHX3, KPNB1, SRSF1, HMGA1, SRF, USF2, USF1, NFYA, NR5A1, POU2F1, CEB Protein Size: 347
Molecular Weight:	37 kDa
Gene ID:	4800
NCBI Accession:	NM_002505, NP_002496
UniProt:	P23511
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 347 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

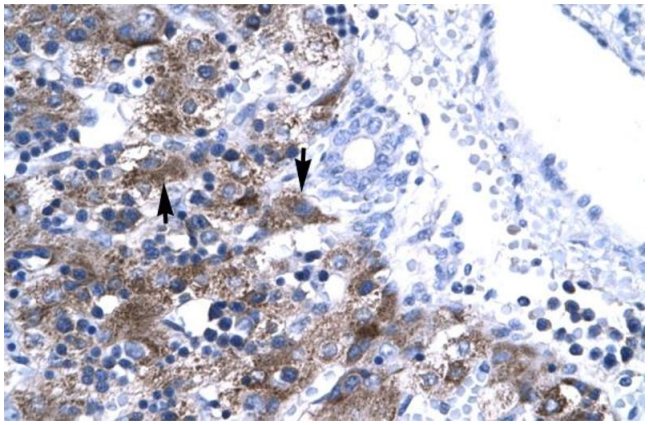
Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

Western Blotting

Image 1. WB Suggested Anti-NFYA Antibody Titration: 5.0-8.0ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate NFYA is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Immunohistochemistry

Image 2. Human Liver