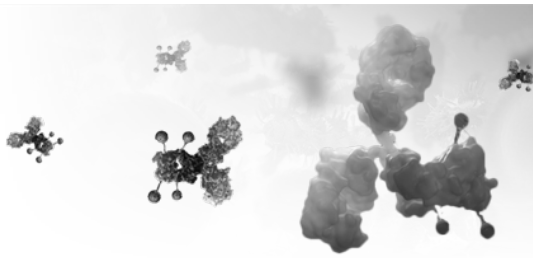

Anti-NFYA (aa 219-318) polyclonal antibody (DPAB-DC2030)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	NFYA (AAH39244, 219 a.a. ~ 318 a.a) partial recombinant protein with GST tag. The sequence is AIQRIPLPGAEMLEEEPLYVNAKQYNRILKRRQARAKLEAEGKIPKERRKYLHESRHRHA MARKRGEGGRFFSPKEKDSPHMQDPNQADEEAMTQIIRVS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	NFYA nuclear transcription factor Y, alpha [Homo sapiens (human)]
Official Symbol	NFYA
Synonyms	NFYA; nuclear transcription factor Y, alpha; HAP2; CBF-A; CBF-B; NF-YA; nuclear transcription factor Y subunit alpha; HAP2 CCAAT-binding protein; Transcription factor NF-Y, A subunit; CAAT box DNA-binding protein subunit A; CAAT-box DNA binding protein subunit A; nuclear transcription factor Y subunit A; CCAAT-binding transcription factor subunit B;
Entrez Gene ID	4800
Protein Refseq	NP_002496
UniProt ID	P23511
Chromosome Location	6p21.3
Pathway	ATF4 activates genes; ATF6-alpha activates chaperones; Antigen processing and presentation; Direct p53 effectors
Function	DNA binding; protein binding; sequence-specific DNA binding transcription factor activity;

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