



Anti-NFYB (full length) polyclonal antibody (DPAB-DC2031)

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 with high specificity to CCAAT motifs in the promoter regions in a variety of genes. This gene product, subunit B, forms a tight dimer with the C subunit, a prerequisite for subunit A association. The resulting trimer binds to DNA with high specificity and affinity. Subunits B and C each contain a histone-like motif. Observation of the histone nature of these subunits is supported by two types of evidence; protein sequence alignments and experiments with mutants.

Immunogen	NFYB (AAH05317, 1 a.a. ~ 207 a.a) full-length recombinant protein with GST tag. The sequence is MTMDGDSSTTDASQLGISADYIGGSHYVIQPHDDTDSMNDHEDTNGSKESFREQDIYLP IANVARIMKNAIPQTGKIAKDAKECVQECVSEFISFITSEASERCHQEKRKTINGEDILF AMSTLGFDSYVEPLKLYLQKFREAMKGEKGIGGAVTATDGLSEELTEEAFTNQLPAGLIT TDGQQQNVMVYTTSYQQISGVQQIQFS
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.

GENE INFORMATION

Gene Name	NFYB nuclear transcription factor Y, beta [Homo sapiens (human)]
Official Symbol	NFYB
Synonyms	NFYB; nuclear transcription factor Y, beta; HAP3; CBF-A; CBF-B; NF-YB; nuclear transcription factor Y subunit beta; Transcription factor NF-Y, B subunit; CAAT box DNA-binding protein subunit B; nuclear transcription factor Y subunit B; CCAAT-binding transcription factor subunit A;
Entrez Gene ID	4801
Protein Refseq	NP_006157
UniProt ID	A0A024RBG7
Chromosome Location	12q22-q23
Pathway	ATF4 activates genes; ATF6-alpha activates chaperones; Antigen processing and presentation; Direct p53 effectors.
Function	DNA binding; protein binding; protein heterodimerization activity; repressing transcription factor binding