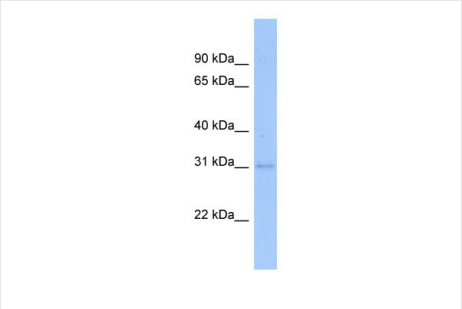
NFYB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NFYB, Polyclonal Antibody
Full Product Name	NFYB antibody - middle region
Product Gene Name	anti-NFYB antibody
Product Synonym Gene Name	CBF-A; CBF-B; HAP3; NF-YB
Immunogen Sequence	Synthetic peptide located within the following region: EAMKGEKGIG GAVTATDGLS EELTEEAFTN QLPAGLITTD GQQQNVMVYT
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Yeast
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity Purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	NFYB peptide (MBS3225393) is used for blocking the activity of NFYB antibody (MBS3200375)
Molecular Weight	23kDa
OMIM	189904
3D Structure	ModBase 3D Structure for P25208
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 86%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Yeast: 91%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human NFYB
Product Categories/Family for anti-NFYB antibody	Polyclonal; Transcription Factor; Transcription Regulation; Cell Biology; Transcription Factors
Applications Tested/Suitable for anti-NFYB antibody	Western Blot (WB)
Related Product Information for anti-NFYB antibody	This is a rabbit polyclonal antibody against NFYB. It was validated on Western Blot using a cell lysate as a positive control. Target Description: NFYB 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.
Other Notes	Small volumes of anti-NFYB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NFYB purchase	MBS3200375 is an antibody targeting NFYB. Also known as NFYB antibody - middle region. Reactive in Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Yeast. Host: Rabbit.



Western Blot (WB) of anti-NFYB antibody
WB Suggested Anti-NFYB Antibody Titration: 0.2-1 ug/mlPositive Control: Transfected 293T

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NFYB. It may not necessarily be applicable to this product.

NCBI GI #	5453780
NCBI GeneID	4801
NCBI Accession #	NP_006157
UniProt Primary Accession #	P25208
UniProt Related Accession #	P25208
GenBank Nucleotide #	NM_006166
NCBI Official Full Name	nuclear transcription factor Y subunit beta
NCBI Official Synonym Full Names	nuclear transcription factor Y subunit beta
NCBI Official Symbol	NFYB
NCBI Official Synonym Symbols	HAP3; CBF-A; CBF-B; NF-YB
UniProt Protein Name	Nuclear transcription factor Y subunit beta
UniProt Synonym Protein Names	CAAT box DNA-binding protein subunit B; Nuclear transcription factor Y subunit B
Protein Family	Nuclear transcription factor
UniProt Gene Name	NFYB
UniProt Synonym Gene Names	HAP3; NF-YB
UniProt Entry Name	NFYB_HUMAN
NCBI Protein Information	nuclear transcription factor Y subunit beta
NCBI Summary for NFYB	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. [provided by RefSeq, Jul 2008]

UniProt Comments for NFYB	NFYB: Stimulates the transcription of various genes by recognizing and binding to a CCAAT motif in promoters, for example in type 1 collagen, albumin and beta-actin genes. Belongs to the NFYB/HAP3 subunit family. Protein type: Transcription factor; DNA-binding Chromosomal Location of Human Ortholog: 12q22-q23 Cellular Component: nucleoplasm; CCAAT-binding factor complex; nucleus Molecular Function: protein binding; DNA binding; sequence-specific DNA binding; protein heterodimerization activity; protein complex binding; transcription factor activity Biological Process: regulation of transcription, DNA-dependent; transcription, DNA-dependent; positive regulation of transcription, DNA-dependent; cellular lipid metabolic process
Research Articles on NFYB	**1.** The nuclear transcription factor Y subunit beta (NFYB)-E2F transcription factor 1 (E2F1) pathway displays a crucial role in the chemoresistance ofoxaliplatin-resistant colorectal cancer (OR-CRC) by inducing the expression and activation of checkpoint kinase 1 (CHK1), suggesting a possible therapeutic target for oxaliplatin resistance in CRC.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-cow-dog-guinea-pig-horse-human-mouse-pig-rabbit-rat-yeast-antibody/nfyb/3200375