

## Product datasheet for R1027

### NFYB Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, EMSA, IP, WB
Recommended Dilution:	Suitable for Immunoprecipitation, Western blotting (1/500-1/1/3,000), ELISA (1/500-1/25,000) and Supershift Assays. <b>Note:</b> This product was assayed by Immunoblot and found to be reactive against the 25 kDa B subunit of NF-Y at a dilution of 1/500 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat). Anti-NF-Y (B subunit specific) is suitable for the detection by Immunoblot of Human and Mouse NF-Y (B subunit specific). Minimal reaction was observed by immunoblot against the 35 kDa A subunit of NF-Y. This product was also tested in a gel supershift assay and found to be reactive against human and mouse NF-Y using 2.0 to 4.0 $\mu$ l per assay. This product was assayed against NF-Y B subunit peptide in an antibody capture ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) and ABTS substrate. A dilution of 1/4000 is suggested from this experiment. Minimal reactivity was observed by ELISA against the A subunit of NF-Y.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	NF-Y (B subunit specific) peptide corresponding to a region near the N-terminus of the Human protein conjugated to Keyhole Limpet Hemocyanin (KLH).
Specificity:	This product was prepared from monospecific antiserum by a multi-step procedure which includes delipidation, salt fractionation and ion exchange chromatography. A single precipitin arc was observed against anti-Rabbit Serum when assayed by immunoelectrophoresis. Reacts with Human and Mouse. Does not recognise the A subunit.
Formulation:	0.01M Sodium Phosphate, 0.15M Sodium Chloride, pH 7.2 with 0.01% Sodium Azide as preservative. State: Ig Fraction State: Liquid (sterile filtered) purified Ig fraction.
Concentration:	lot specific
Purification:	Prepared from monospecific antiserum by delipidation, salt fractionation a



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<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody (undiluted) at 2-8°C for one month or (in aliquots) at -20°C for longer. Dilute only prior to immediate use. Avoid cycles of freezing and thawing.
<b>Stability:</b>	Shelf life: One year from despatch.
<b>Gene Name:</b>	nuclear transcription factor Y subunit beta
<b>Database Link:</b>	<a href="#">Entrez Gene 4801 Human P25208</a>
<b>Background:</b>	The Y box is a CCAAT box which is bound by the heteromeric DNA binding protein, NF-Y (also known as CBF and CP1). Unlike the transcription factors C/EBP and CTF/NF1 which also bind CCAAT-like sequences, NF-Y exhibits a strict binding requirement for this pentanucleotide sequence. Binding sites for this factor have been described for nearly 30% of all eukaryotic genes. Y/CCAAT sequences were frequently observed in the promoter-proximal sequences. NF-Y is composed of 3 separate subunits (A,B and C) each of which is required for DNA binding. Each subunit has remained highly conserved throughout evolution. In fact, homologous yeast subunits can substitute for mammalian NF-Y in DNA-binding assays. The conserved core sequences of NF-YB and NF-YC contain a 70 aa region similar to the histone fold motif of nucleosomes H2A and H2B. The unique structure and evolutionary conservation of this transcription factor suggests that it plays a fundamental role in the readout of eukaryotic genetic information.
<b>Synonyms:</b>	HAP3