

Product datasheet for **AP07266SU-N**

NFYA (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, EMSA, IHC, WB
Recommended Dilution:	ELISA: GS. Immunohistochemistry on Paraffin Sections: 1/400. Western Blot: 1/1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody reacts to NF-Y (A subunit specific) peptide corresponding to a region near the N-terminus of the protein conjugated to Keyhole Limpet Hemocyanin (KLH).
Formulation:	State: Supernatant State: Liquid serum with 0.01% sodium azide
Purification:	Sterile filtration
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	nuclear transcription factor Y subunit alpha
Database Link:	Entrez Gene 4800 Human P23511



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Background:

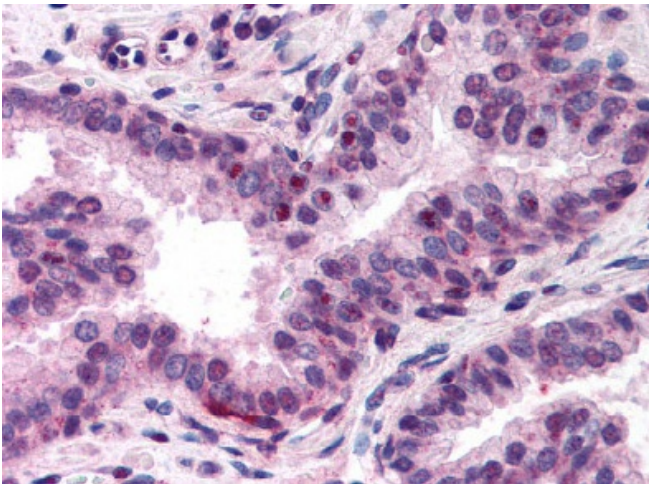
NFY is a transcription factor composed of 3 separate subunits (A,B and C) each of which is required for DNA binding. NFY binds to DNA with high specificity and affinity. The sequence specific interactions of the complex are made by the A subunit, suggesting a role as the regulatory subunit.

NFY recognizes a CCAAT motif upstream of gene promoters and is probably involved in the regulation of a variety of genes.

Each subunit has remained highly conserved throughout evolution. In fact, homologous yeast subunits can substitute for mammalian NFY in DNA binding assays. The conserved core sequences of NFYB and NFYC 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.

Synonyms:

CBF-A; CBF-B; FLJ11236; HAP2; NF-YA

Product images:

Prostate: Formalin-Fixed Paraffin-Embedded (FFPE)