

Product datasheet for **AP06720PU-N**

Nuclear Factor 1 (NFIA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to the amino acids 20-60 of Human NF-1A.
Specificity:	This antibody detects endogenous levels of NF-1 protein. (region surrounding Gln34)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
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.
Predicted Protein Size:	~ 55 kDa
Gene Name:	nuclear factor I A
Database Link:	Entrez Gene 18027 Mouse Entrez Gene 25492 Rat Entrez Gene 4774 Human Q12857



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Background:

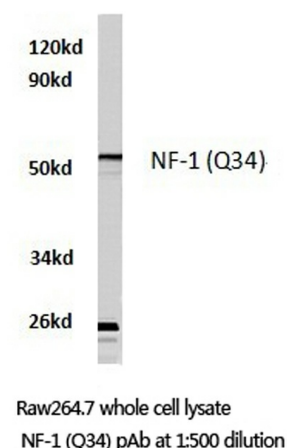
NF-1, also designated CTF, consists of a family of CCAAT-box-binding proteins that stimulate DNA replication and activate transcription. Analysis of human NF-1 messenger RNA has revealed two forms of the NF-1 protein arising from an alternate splicing of a single NF-1 gene. NF-1 binds its consensus DNA element as a homodimer via an amino-terminal DNA-binding domain, and activates transcription through a putatively novel, proline-rich, carboxy-terminal transactivation domain. The NF-1 protein has been shown to recognize and bind the adenovirus type 2 promoter and activate transcription of herpes simplex virus thymidine kinase genes. The NF-1 consensus element has been found in the upstream promoter region of myriad eukaryotic genes, including that of Ha-Ras, α -globin, HSP 70, GRP 78, Histone H1, myelin basic protein and in the *Xenopus laevis* vitellogenin gene promoter.

Synonyms:

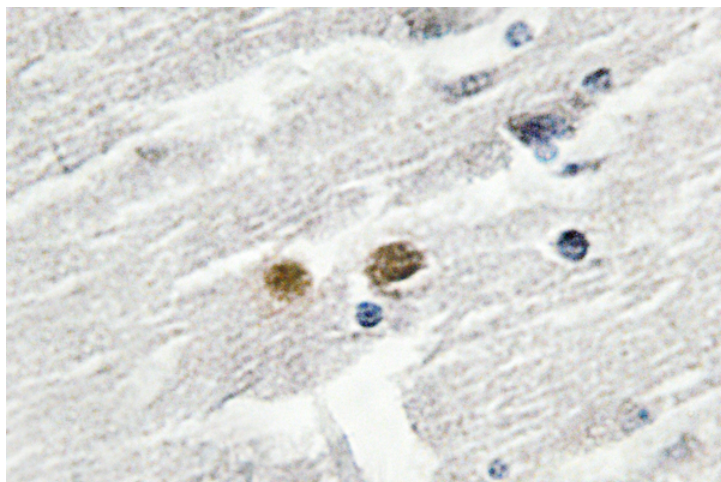
NFI-A, NF-I/A, CCAAT-box-binding transcription factor, TGGCA-binding protein, CTG

Protein Families:

Transcription Factors

Product images:


Western blot (WB) analysis of NF-1 antibody in extracts from raw264.7 cells.



Immunohistochemistry (IHC) analysis of NF-1 antibody on paraffin-embedded sections.