

Product datasheet for **AP31861PU-N**

NFATC4 Goat Polyclonal Antibody

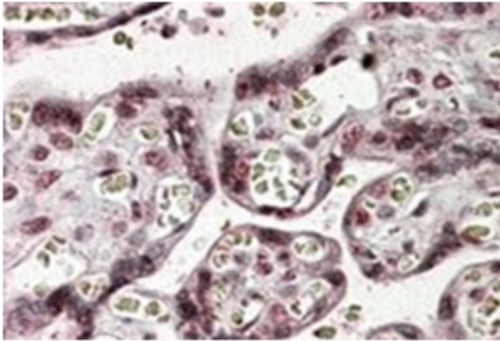
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	Peptide ELISA: 1/16000 (Detection Limit). Western blot: No signal obtained yet but low background observed in MOLT-4, Jurkat, A431, HeLa, Human Brain and Human Heart lysates at upto 2 µg/ml. Immunohistochemistry on Paraffin Sections: 2.5-3.8 µg/ml. In paraffin embedded Human Placenta shows weak nuclear staining in trophoblasts.
Reactivity:	Canine, Human, Mouse, Porcine, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the C Terminus of the protein sequence according to NP_004545.2, NP_001185894.1, NP_001185895.1, NP_001185896.1.
Specificity:	This antibody is expected to recognise isoform 2 (NP_004545.2), Isoform 3 (NP_001185894.1), Isoform 4 (NP_001185895.1) and Isoform 5 (NP_001185896.1).
Formulation:	Tris buffered saline, pH~7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store the antibody 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 factor of activated T-cells 4
Database Link:	Entrez Gene 73181 Mouse Entrez Gene 305897 Rat Entrez Gene 4776 Human Q14934



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- Background:** The protein is a member of the nuclear factors of activated T cells DNA-binding transcription complex. This complex consists of at least two components: a pre-existing cytosolic component that translocates to the nucleus upon T cell receptor (TCR) stimulation and an inducible nuclear component. Other members of this family of nuclear factors of activated T cells also participate in the formation of this complex. The product of this gene plays a role in the inducible expression of cytokine genes in T cells, especially in the induction of the IL-2 and IL-4.
- Synonyms:** NF-ATc4
- Protein Families:** Druggable Genome, Transcription Factors
- Protein Pathways:** Axon guidance, B cell receptor signaling pathway, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway, VEGF signaling pathway, Wnt signaling pathway

Product images:

Staining of paraffin embedded Human Placenta using NFATC4 Antibody. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.