

Product datasheet for **AP32694PU-N**

NLRP3 Goat Polyclonal Antibody

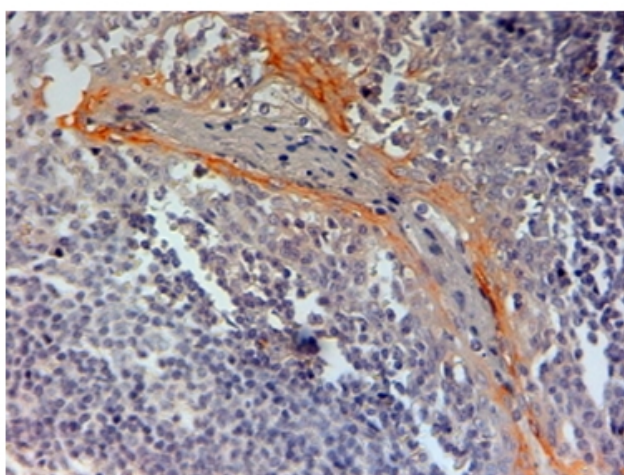
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Peptide ELISA: 1/64000 (Detection Limit). Western blot: Preliminary experiments gave an approx 70kDa band in human lymph node and tonsil lysates after 0.3 µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 118kDa according to NP_004886.3 and 106kDa according to NP_899632.1. The 70kDa band was successfully blocked by incubation with the immunizing peptide. Immunohistochemistry on Paraffin Sections: 2-4 µg/ml. In paraffin embedded Human Tonsil shows focal and interstitial staining of the inflammatory elements close to the epithelia of the tonsil crypts.
Reactivity:	Bovine, Canine, Human, Mouse, Porcine, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_004886.3; NP_899632.1; NP_001230062.1; NP_001120933.1; NP_001120934.1.
Specificity:	This antibody is expected to recognise all five reported isoforms (NP_004886.3; NP_899632.1; NP_001230062.1; NP_001120933.1; NP_001120934.1). Reported variants represent identical protein (NP_004886.3 and NP_001073289.1).
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified IgG fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide
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.



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Stability:	Shelf life: one year from despatch.
Gene Name:	NLR family, pyrin domain containing 3
Database Link:	Entrez Gene 114548 Human Q96P20
Background:	NLRP3 is a pyrin-like protein containing a pyrin domain, a nucleotide-binding site (NBS) domain, and a leucine-rich repeat (LRR) motif. This protein interacts with the apoptosis-associated speck-like protein PYCARD/ASC, which contains a caspase recruitment domain, and is a member of the NALP3 inflammasome complex. This complex functions as an upstream activator of NF-kappaB signaling, and it plays a role in the regulation of inflammation, the immune response, and apoptosis.
Synonyms:	NLRP3, C1orf7, CIAS1, PYPAF1

Product images:

(2 ug/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.