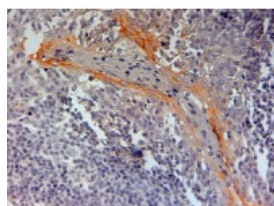




## Cryopyrin Antibody

CATALOG NUMBER: 45-436



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

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, IHC-P
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:64000. Western Blot: Preliminary experiments gave an approx 70kDa band in human lymph node and tonsil lysates after 0.3ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated molecular weight. In paraffin embedded Human Tonsil shows focal and interstitial staining of the inflammatory elements close to the epithelia of the tonsil crypts. Recommended concentration, 2-4ug/ml.
<b>SPECIFICITY:</b>	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).
<b>IMMUNOGEN:</b>	Cryopyrin antibody was raised against a 12 amino acid synthetic peptide near the internal region of Cryopyrin.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	Cryopyrin antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Cryopyrin antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	CIAS1, cold autoinflammatory syndrome 1, AGTAVPRL, AII/AVP, C1orf7, FCAS, FCU, MWS, NALP3, PYPAF1, AII/AVP receptor-like, Muckle-Wells syndrome, NACHT, LRR and PYD containing protein 3, PYRIN-containing
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APAF1-like protein 1, angiotensin/vasopressin receptor All/AVP-like, cryopyrin, CIAS1

**ACCESSION NO.:** NP\_004886.3, NP\_899632.1

**PROTEIN GI NO.:** 34878693

**OFFICIAL SYMBOL:** NLRP3

**GENE ID:** 114548

### Background

**REFERENCES:** 1) Kanneganti TD, Ozoren N, Body-Malapel M, Amer A, Park JH, Franchi L, Whitfield J, Barchet W, Colonna M, Vandenabeele P, Bertin J, Coyle A, Grant EP, Akira S, Nunez G. Bacterial RNA and small antiviral compounds activate caspase-1 through cryopyrin/Nalp3. *Nature*. 2006 Mar 9;440(7081):233-6. Epub 2006 Jan 11.

**FOR RESEARCH USE ONLY**

December 13, 2016