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**Research Use Only. Not for diagnostic or therapeutic use.**

## EB07335 - Goat Anti-CIAS1 / Cryopyrin (Internal) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CIAS1 antibody, cold autoinflammatory syndrome 1 antibody, AGTAVPRL antibody, All/AVP antibody, C1orf7 antibody, FCAS antibody, FCU antibody, MWS antibody, NALP3 antibody, PYPAF1 antibody, All/AVP receptor-like antibody, Muckle-Wells syndrome antibody, NACHT, LRR and PYD containing protein 3 antibody, PYRIN-containing APAF1-like protein 1 antibody, angiotensin/vasopressin receptor All/AVP-like antibody, cryopyrin antibody

**Official Symbol:** NLRP3

**Accession Number(s):** NP\_004886.3; NP\_899632.1; NP\_001230062.1; NP\_001120933.1; NP\_001120934.1

**Human GenelD(s):** [114548](#)

**Important Comments:** 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).

### Immunogen

Peptide with sequence C-DLYEKAKRDEPK, 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.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

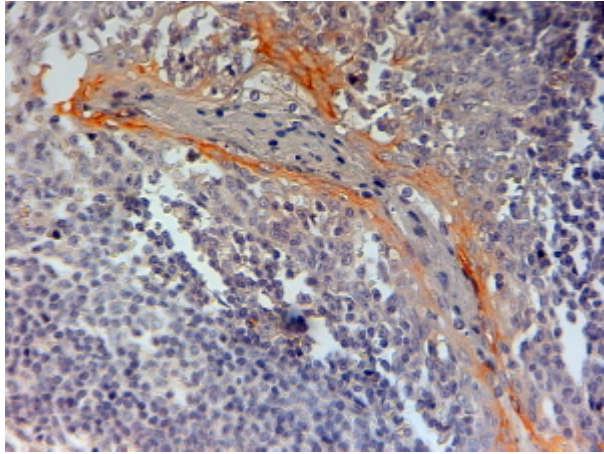
**Western blot:** Preliminary experiments gave an approx 70kDa band in human lymph node and tonsil lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 118kDa according to NP\_004886.3 and 106kDa according to NP\_899632.1. The 70kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

**IHC:** In paraffin embedded Human Tonsil shows focal and interstitial staining of the inflammatory elements close to the epithelia of the tonsil crypts. Recommended concentration, 2-4µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



EB07335 (2µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.