

## UK Office

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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, 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 APAF1-like protein 1, angiotensin/vasopressin receptor AII/AVP-like, cryopyrin

**Official Symbol:** NLRP3

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

**Human GeneID(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.

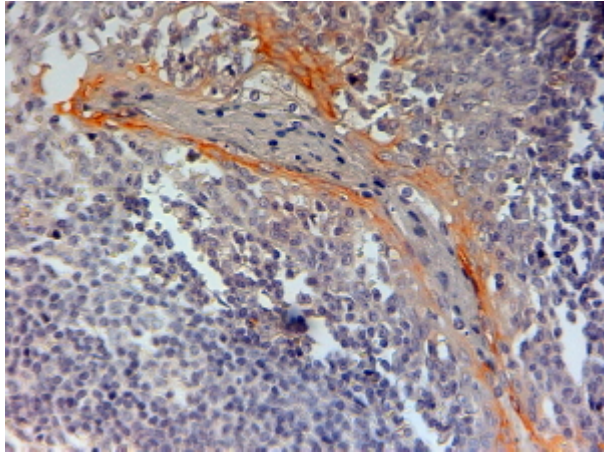
**Western blot:** Preliminary experiments gave an approx 70kDa band in human lymph node and tonsil lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 118kDa according to NP\_004886.3 and 106kDa according to NP\_899632.1. The 70kDa band was successfully blocked by incubation with the immunizing peptide.

**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 (2 $\mu$ g/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.