

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

**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.

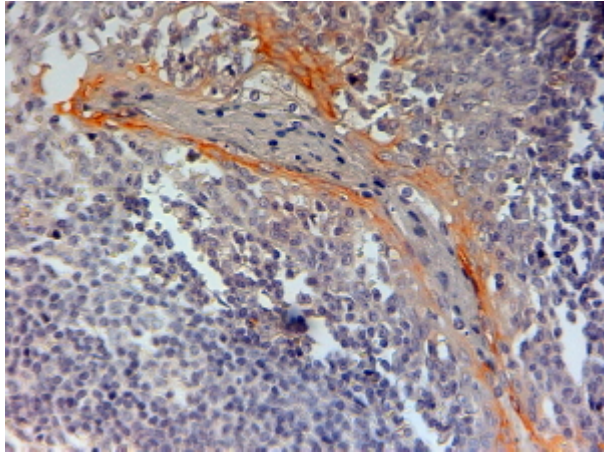
Western blot: Preliminary experiments gave an approx 70kDa band in human lymph node and tonsil lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 118kDa according to NP_004886.3 and 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 μ g/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.