

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

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 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.

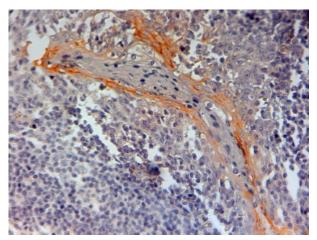
Western blot: Preliminary experiments gave an approx 70kDa band in human lymph node and tonsil lysates after 0.3μg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 118kDa according to NP_004886.3 and 106kDa according to NP_899632.1. The 70kDa band was successfully blocked by incubation with the immunizing peptide. IHC: In paraffin embedded Human Tonsil shows focal and interstitial staining of the inflammatory elements close to the epithelia of the tonsil crypts. Recommended

Species Reactivity

concentration: 2-4µg/ml.

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.