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

EB05738 - Goat Anti-CIAS1 / cryopyrin (C Terminus) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: NLRP3, CIAS1, FCU, MWS, FCAS, NALP3, C1orf7, PYPAF1, AII/AVP, AGTAVPRL, CRYOPYRIN, cold autoinflammatory syndrome 1, cryopyrin, Muckle-Wells syndrome, chromosome 1 open reading frame 7, PYRIN-containing APAF1-like protein 1, neuronal apoptosis inhibitor protein 3, angiotensin/vasopressin receptor AII/AVP-like, NLR family, pyrin domain containing 3, AII, AVP, CLR1.1, FLJ95925, AII/AVP receptor-like, NACHT domain-, leucine-rich repeat-, and PYD-containing protein 3, NACHT, LRR and PYD containing protein 3, PYRIN-containing APAF1-like protein 1, nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 3

Official Symbol: NLRP3

Accession Number(s): NP_001073289.1; NP_004886.3; NP_899632.1;
NP_001120933.1; NP_001120934.1

Human GeneID(s): [114548](#)

Important Comments: Variants (NP_001073289.1; NP_004886.3) encode the same isoform.

Immunogen

Peptide with sequence C-EKPELTVVFEPWS, from the C Terminus of the protein sequence according to NP_001073289.1; NP_004886.3; NP_899632.1;
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 1:128000.

Western blot: This antibody is not recommended for use in Western blotting.

IHC: Paraffin embedded Human Colon. Recommended concentration: 4µg/ml.

Immunofluorescence: Expression of the protein seen in the cytoplasm and plasma membrane of U937 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of U937 cells. Recommended concentration: 10µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Rat, Cow

EB05738 Immunofluorescence analysis of paraformaldehyde fixed U937 cells immobilized on ShifixTM coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB05738 Flow cytometric analysis of paraformaldehyde fixed U937 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

EB05738 (4µg/ml) staining of paraffin embedded Human Colon. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

EB05738 Negative Control showing staining of paraffin embedded Human Colon, with no primary antibody.