



## UK Office

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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.

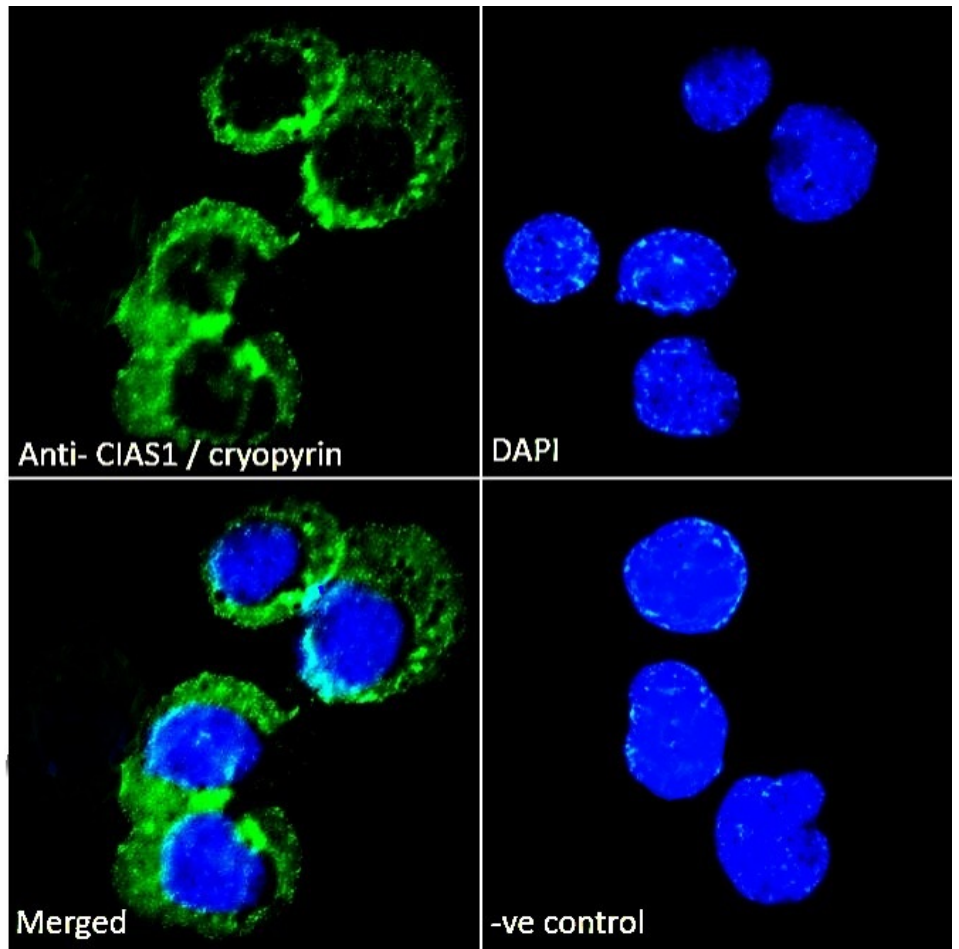
**Immunofluorescence:** Expression of the protein seen in the cytoplasm and plasma membrane of U937 cells. Recommended concentration: 10µg/ml.

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

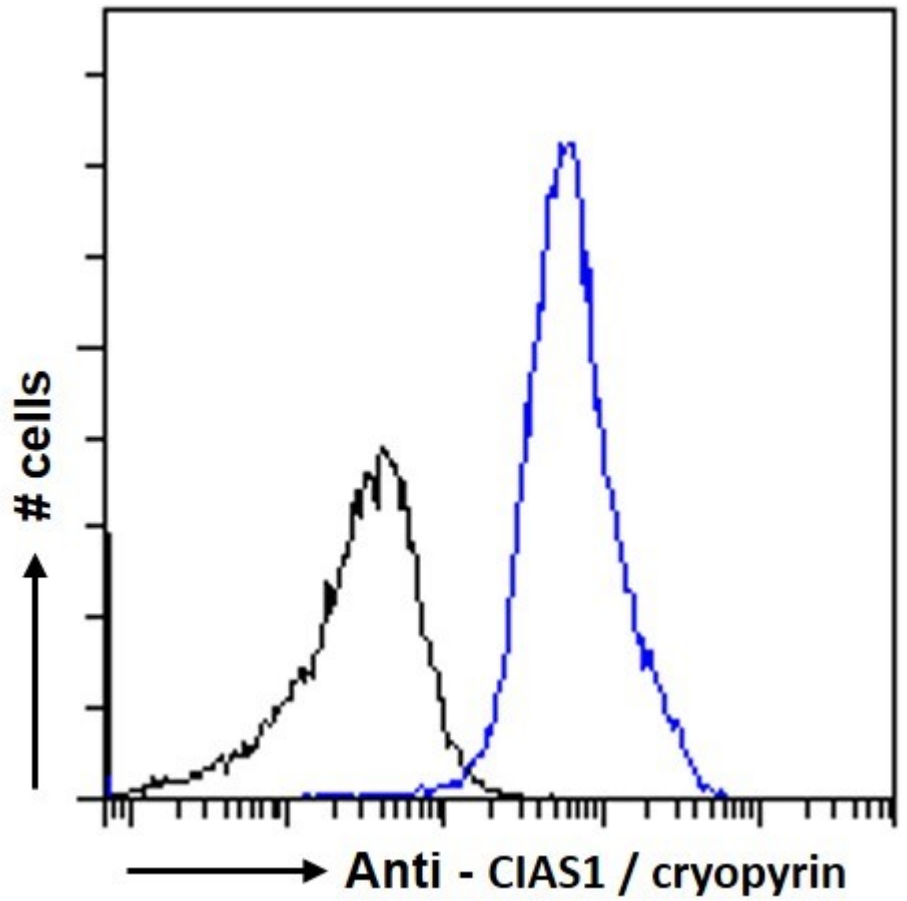
### Species Reactivity

**Tested:** Human

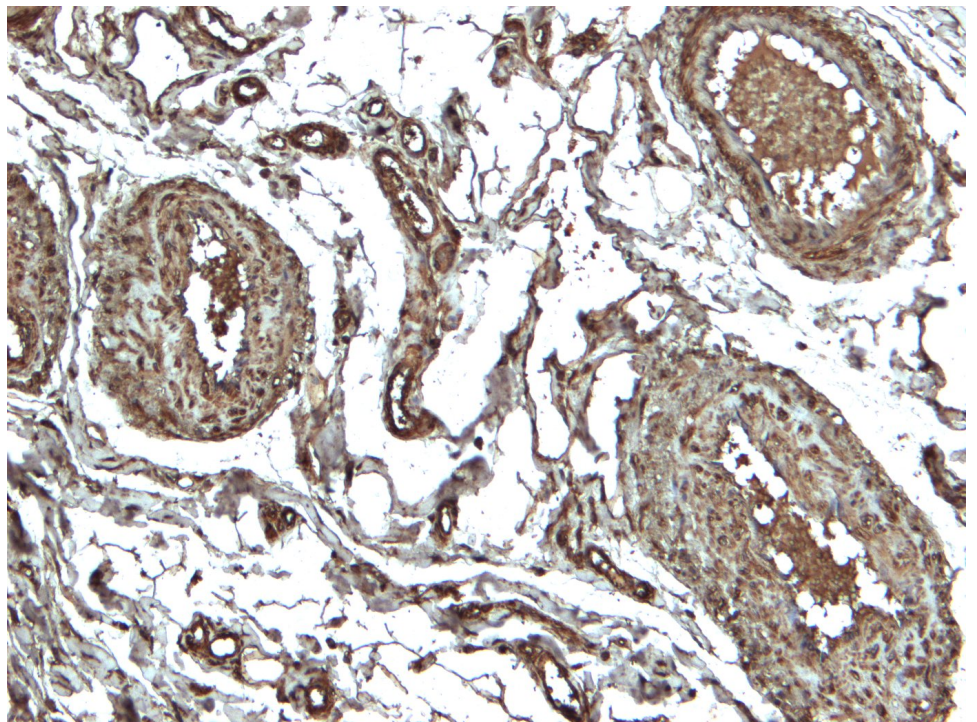
**Expected from sequence similarity:** Human, Rat, Cow



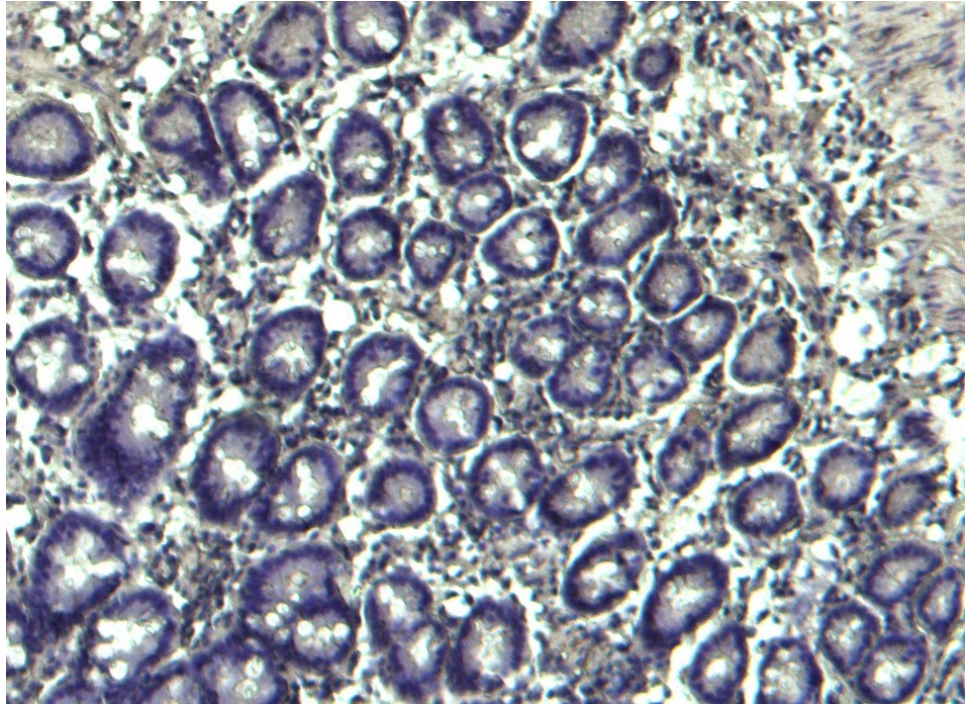
EB05738 Immunofluorescence analysis of paraformaldehyde fixed U937 cells immobilized on Shifix™ coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue).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