



Goat anti-CIAS1 / Cryopyrin (Internal) Antibody

Item Number	dAP-0893
Target Molecule	Principle Name: CIAS1 / Cryopyrin (Internal); Official Symbol: NLRP3; All Names and Symbols: 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 recep; Accession Number (s): NP_004886.3; NP_899632.1; NP_001230062.1; NP_001120933.1; NP_001120934.1; Human Gene ID(s): 114548; Non-
Immunogen	DLYEKAKRDEPK, is from internal region 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
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	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 calculat
IHC	Immunohistochemistry: 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.
Reference	Reference(s): Kanneganti TD, Ozoren N, Body-Malapel M, Amer A, Park JH, Franchi L, Whitfield J, Barchet W, Colonna M, Vandenabeele P, Bertin J, Coyle A, Grant EP, Akira S, Nunez G. Bacterial RNA and small antiviral compounds activate caspase-1 through cryopyrin/Nalp3. Nature. 2006 Mar 9;440(7081):233-6.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**