



Datasheet for ABIN1388260

anti-NLRP3 antibody (AA 15-120) (Alexa Fluor 488)



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1 Image

Overview

Quantity:	100 µL
Target:	NLRP3
Binding Specificity:	AA 15-120
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NLRP3 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NLRP3
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	NLRP3
Alternative Name:	CIAS1 (NLRP3 Products)
Background:	Synonyms: NACHT, LRR and PYD domains-containing protein 3, Angiotensin/vasopressin

Target Details

receptor AII/AVP-like, Caterpillar protein 1.1, CLR1.1, Cold autoinflammatory syndrome 1 protein, Cryopyrin, PYRIN-containing APAF1-like protein 1, NLRP3, C1orf7, CIAS1, NALP3, PYPAF1

Background: May function as an inducer of apoptosis. Interacts selectively with ASC and this complex may function as an upstream activator of NF-kappa-B signaling. Inhibits TNF-alpha induced activation and nuclear translocation of RELA/NF-KB p65. Also inhibits transcriptional activity of RELA. Activates caspase-1 in response to a number of triggers including bacterial or viral infection which leads to processing and release of IL1B and IL18.

Gene ID: 114548

UniProt: [Q96P20](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Endopeptidase Activity](#), [Inflammasome](#)

Application Details

Application Notes: FCM 1:20-100
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

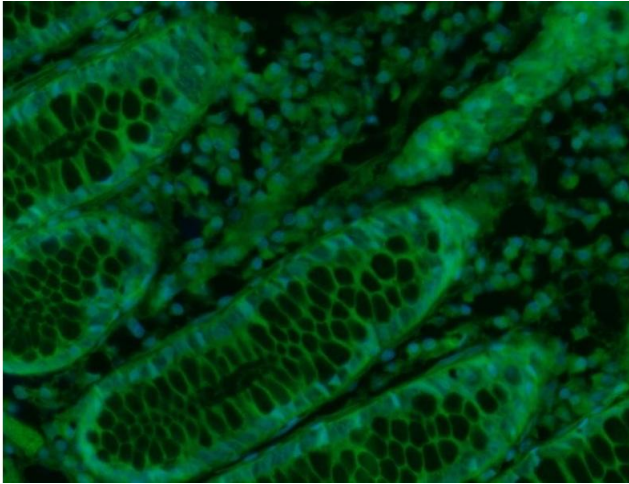
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months



Immunofluorescence (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded human colon cancer, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30min, Incubation: Cryopyrin Polyclonal Antibody, ALEXA FLUOR® 488 Conjugated -A488) 1:400, 90 minutes at 37°C, DAPI (5ug/ml, blue) was used to stain the cell nuclei.