

Inflammasome Research Reagents

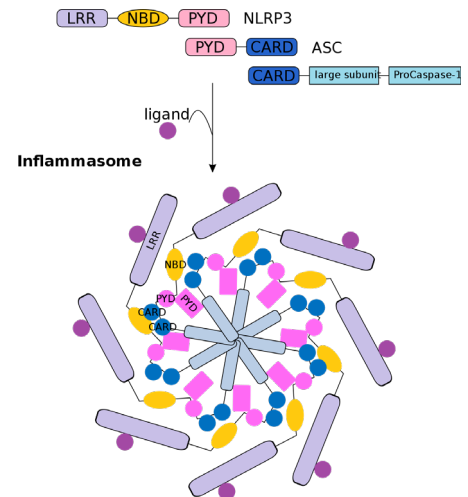
Inflammasomes are protein complexes present in the cytosol that activate Caspase 1 (CASP1) leading to induction of pro-inflammatory cytokines and pyroptosis (caspase-1 mediated, inflammatory cell death).

The assembly of an inflammasome is activated by pattern recognition receptors (PRRs) responding to pathogen-associated molecular patterns (PAMPs) and danger-associated molecular patterns (DAMPs) of the host cells.

Canonical Inflammasomes are typically comprised of a sensor, an adaptor protein (ASC), and pro-caspase-1. Sensors include NLRP1, NLRP3, NAIP/NLRC4, NLRP6, NLRP7, AIM2, IFI16, and Pyrin.

The non-canonical Inflammasome pathway involves human caspases CASP4, CASP5 and their Murine orthologs CASP11 or CASP8.

Understanding the activation, and in contrast the inhibition of inflammasome triggering events can lead to the development of more effective treatments for disorders and diseases including autoimmune diseases, obesity, and infectious diseases.

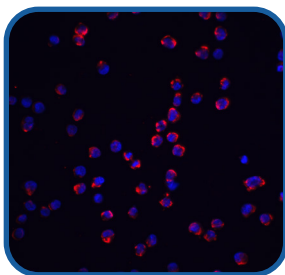


Inflammasome vector. (2015). commons.wikimedia.org. Retrieved September 29, 2022, from https://commons.wikimedia.org/wiki/File:Inflammasome_vector.svg. Immunofluorescence Validation of NALP3 in Human K562 Cells.

Featured Products

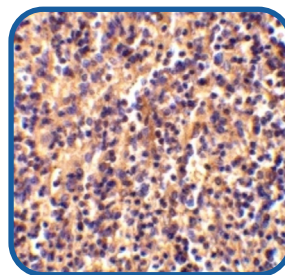
- Extensive catalog targeting several components of the Inflammasome pathway - NLRP, NAIP, NLRC, Caspases....
- Polyclonal, Monoclonal, and Recombinant Antibodies Available
- Several applications tested including ELISA, IHC, and Western Blot

NALP3 Antibody



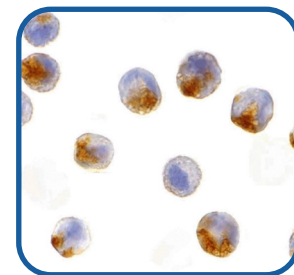
Cat. No. 5447

Caspase-4 Antibody



Cat. No. 3453

NAIP Antibody



Cat. No. 3315

See Next Page For More Inflammasome Research Reagents

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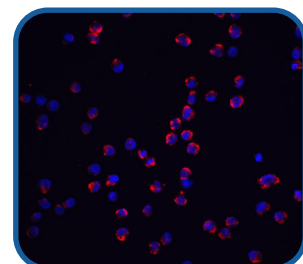
Inflammasome Research Reagents

To support Inflammasome research, ProSci offers antibodies against each component of inflammasome protein complexes as well as those proteins involved in the Pyroptosis Response.

NLRP3 Antibodies

Product	Cat. No.	Applications	Clonality	Species
NALP3 Antibody	5447	ELISA, ICC, IF, WB	Polyclonal	Rabbit
NLRP3 Antibody	42-536	IHC	Polyclonal	Goat
NLRP3 Antibody [Nalpy3-b]	70-291	IHC, IP, WB	Monoclonal	Mouse

For a complete list of NLRP3 Antibodies, visit prosci-inc.com

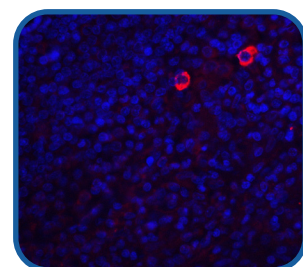


NALP3 Antibody
Cat. No. 5447
Immunofluorescence Validation of NALP3 in Human K562 Cells.

CASP8 Antibodies

Product	Cat. No.	Applications	Clonality	Species
Caspase-8 Antibody	3473	ELISA, ICC, IF, IHC-P WB	Polyclonal	Rabbit
Caspase-8 Antibody	3475	ELISA, WB	Polyclonal	Rabbit
Caspase8 Antibody	79-642	WB	Polyclonal	Rabbit

For a complete list of CASP8 Antibodies, visit prosci-inc.com

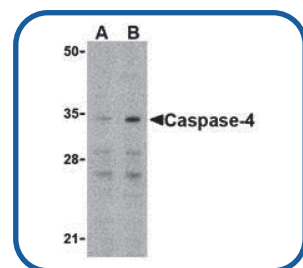


Caspase-8 Antibody
Cat. No. 3473
Immunofluorescence of Caspase-8 in human spleen tissue with Caspase-8 antibody at 20 µg/ml.

CASP4 Antibodies

Product	Cat. No.	Applications	Clonality	Species
Caspase-4 Antibody	3451	ELISA, IF, IHC-P WB	Polyclonal	Rabbit
Caspase-4 Antibody	3453	ELISA, IF, IHC-P WB	Polyclonal	Rabbit
Caspase-13 Antibody	2245	ELISA, IHC-P, WB	Polyclonal	Rabbit

For a complete list of CASP4 Antibodies, visit prosci-inc.com



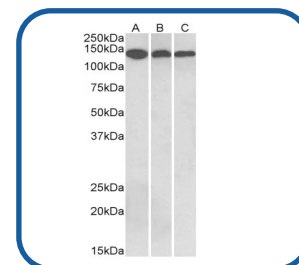
Caspase-4 Antibody
Cat. No. 3451
Western blot analysis of caspase-4 in Ramos cells with caspase-4 antibody at (A) 0.5 and (B) 1 µg/mL.

More Inflammasome Research Reagents

Pyrin Antibodies

Product	Cat. No.	Applications	Clonality	Species
MEFV Antibody	27-480	ELISA, WB	Polyclonal	Rabbit
MEFV Antibody	45-880	ELISA, Flow, IF	Polyclonal	Goat
AIM2 Antibody	36-331	IP, WB	Polyclonal	Rabbit

For a complete list of Pyrin Antibodies, visit prosci-inc.com

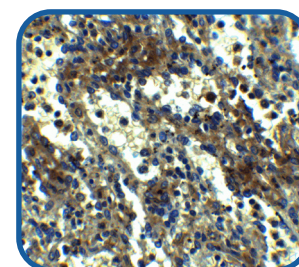


AIM2 Antibody
Cat. No. 43-432
43-432 (0.3ug/ml) staining of Daudi lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ASC Antibodies

Product	Cat. No.	Applications	Clonality	Species
ASC Antibody	2287	ELISA, ICC, IHC-P, WB	Polyclonal	Rabbit
PYCARD Antibody	28-647	ELISA, WB	Polyclonal	Rabbit
PYCARD Antibody	45-129	ELISA, IHC, WB	Polyclonal	Goat

For a complete list of ASC Antibodies, visit prosci-inc.com

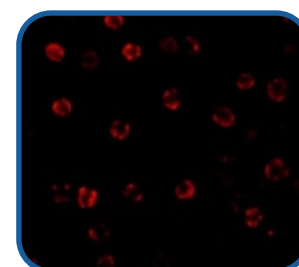


ASC Antibody
Cat. No. 2287
Immunohistochemistry Validation of ASC in Human Spleen Tissue.

CASP1 Antibodies

Product	Cat. No.	Applications	Clonality	Species
Caspase-1 Antibody	3459	ELISA, IHC-P, WB	Polyclonal	Rabbit
Caspase-1 Antibody	3463	ELISA, IF, IHC-P WB	Polyclonal	Rabbit
Caspase 1 Antibody	13-340	IF, IHC, IP, WB	Polyclonal	Rabbit

For a complete list of CASP1 Antibodies, visit prosci-inc.com



Caspase-1 Antibody
Cat. No. 3463
Immunofluorescence of Caspase-1 in HeLa cells with Caspase-1 antibody at 20 µg/mL.

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Polyclonal,
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Antibody Services



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