

NLRP3 polyclonal antibody

Catalog: BS66103

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

This gene encodes a pyrin-like protein containing a pyrin domain, a nucleotide-binding site (NBS) domain, and a leucine-rich repeat (LRR) motif. This protein interacts with the apoptosis-associated speck-like protein PYCARD/ASC, which contains a caspase recruitment domain, and is a member of the NALP3 inflammasome complex. This complex functions as an upstream activator of NF-kappaB signaling, and it plays a role in the regulation of inflammation, the immune response, and apoptosis. Mutations in this gene are associated with familial cold autoinflammatory syndrome (FCAS), Muckle-Wells syndrome (MWS), chronic infantile neurological cutaneous and articular (CINCA) syndrome, and neonatal-onset multisystem inflammatory disease (NOMID). Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. Alternative 5' UTR structures are suggested by available data; however, insufficient evidence is available to determine if all of the represented 5' UTR splice patterns are biologically valid.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 118 kDa

Swiss-Prot:

Q96P20

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF/ICC: 1:50~1:200

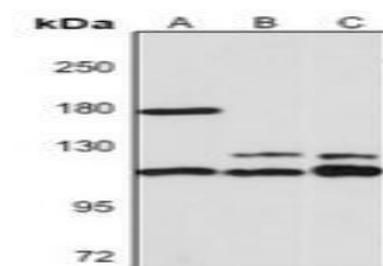
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

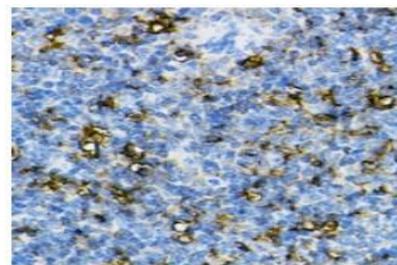
Specificity:

NLRP3 polyclonal antibody detects endogenous levels of NLRP3 protein.

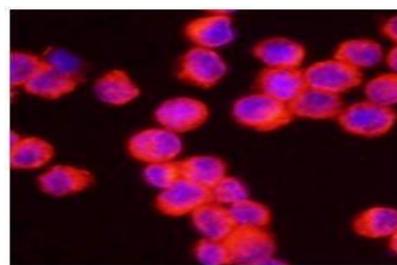
DATA:



Western blot analysis of NLRP3 expression in HT29 (A), mouse brain (B), rat brain (C) whole cell lysates.



Immunohistochemical analysis of NLRP3 staining in mouse spleen formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of NLRP3 staining in Raw264.7 cells.

Note:

For research use only, not for use in diagnostic procedure.

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