003216589045 (EU)

# NLRP3 Polyclonal Antibody 

Cat \#: G-AB-05310

| Host: Rabbit | Reactivity: Human, Mouse |
| :--- | :--- |
| Isotype: IgG | Clonality: Polyclonal |

## Overview:

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.

## Gene ID:

## Accession \#:

Immunogen: KLH conjugated Synthetic peptide corresponding to Mouse NLRP3

Conjugation: Unconjugated

## Swissprot: Q96P20,Q8R4B8

## Calculated Molecular Weight:

## Observed Molecular Weight:

Concentration: $0.65 \mathrm{mg} / \mathrm{mL}$

Buffer: PBS with 0.02\% sodium azide, 1\% BSA and 50\% glycerol, pH7.4
Purification Method: Affinity purification

## Application: IHC

Dilution: IHC 1:300-1:1000

Storage: Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles.

