

Human NALP3 transfected/Untransfected Cell Lysate

Catalog No.: AL00200SU-N

Quantity: 50 µl

Background: NACHT, LRR and PYD domains-containing protein 3 belongs to the NLRP family and it contains one DAPIN domain, seven LRR (leucine-rich) repeats and one NATCH domain. It 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. It is also reported that the NLRP3 inflammasome can be activated by pathogen-associated molecular patterns (PAMPs) or endogenous danger-associated molecular patterns (DAMPs). The activation of the NLRP3 inflammasome results in proteolytic activation and secretion of cytokines of the interleukin-1 (IL-1) family. 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 multi-system inflammatory disease (NOMID).

Format: **State:** 50 µls each of transfected and untransfected Human NALP3 cell lysate in 1 x Sample buffer

Buffer System: 1x Sample Buffer: 60 mM Tris-Hcl (pH 6.8), 10 mM EDTA, 2% SDS, 0.03% Bromophenol Blue, 10% Glycerol, 0.3% beta-Mercaptoethanol.

Applications: HEK293 cells were transfected with full-length Human NALP3.

Load 10 µl/lane of a 12 well mini-gel.

This transfected cell lysate can be used as a Positive Western blot Control for NALP3 Antibody **Cat. -No** AP22017PU-N.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Storage: They are shipped on blue ice and can remain at -20°C for up to 3 months.

For long term storage, keep lysates in dark at -70°C.

Avoid repetitive freeze-thaw cycles, as this may result in degradation of protein and less defined bands when separated by SDS-PAGE.

Pictures:

10 μ l of A) Human NALP3 transfected cell lysate, B) Mouse NALP3 transfected cell lysate and C) untransfected cell lysate were probed with 3 μ g/ml of NALP3 Antibody Cat.-No AP22017PU-N

