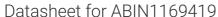
# antibodies - online.com







# anti-NLRP1 antibody (N-Term)



Image



#### Overview

Quantity:	100 μg
Target:	NLRP1
Binding Specificity:	AA 2-25, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

#### **Product Details**

Immunogen:	Synthetic peptide corresponding to aa 2-25 (A2GGAWGRLACYLEFLKKEELKEFQ25) at the N-terminus of human NLRP1/NALP1.
Specificity:	Recognizes human NLRP1/NALP1.
Cross-Reactivity:	Human
No Cross-Reactivity:	Mouse (Murine)
Cross-Reactivity (Details):	Does not cross-react with mouse NLRP1/NALP1.

### **Target Details**

Target:	NLRP1
Alternative Name:	NLRP1/NALP1 (NLRP1 Products)
Background:	NALP1/NLRP1 is able to form cytoplasmic structures termed death effector filaments. It

#### **Target Details**

enhances and stimulates apoptosis through activation of different caspase cascades. It is involved in the activation of caspase-1 and caspase-5 as part of the NALP1 inflammasome complex which leads to processing and release of IL1B and IL18. Genetic variations in the NLRP1/NALP1 gene are associated with susceptibility to vitiligo-associated multiple autoimmune disease type 1, an autoimmune disorder characterized by the association of vitiligo with several autoimmune and autoinflammatory diseases including autoimmune thyroid disease, rheumatoid arthritis and systemic lupus erythematosus.

UniProt:

Q9C000

Pathways:

Positive Regulation of Endopeptidase Activity, Inflammasome

# **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

# Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 10 % glycerol and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months



#### **Western Blotting**

Image 1. Western blot analysis of human and mouse cell lines using anti-human NLRP1/NALP1 antibody (AL176). Method: Total protein extracts (20μg) from various human (293-T, Jurkat, Raj, Ramos, BJAB, THP-1, U937, K562, Raw, HeLa) and mouse (EL-4, A20) cell lines were run on SDS-PAGE and NLRP1/NALP1 detected using anti-human NLRP1/NALP1 antibody (AL176) at 1:500 dilution. Antirabbit IgG coupled horse radish peroxidase was used at 1:5000 dilution for ECL detection.