



NALP2 Polyclonal Antibody

Catalog No	YP-Ab-07173
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	NLRP2 NALP2 NBS1 PAN1 PYPAF2
Immunogen	Synthesized peptide derived from human protein . at AA range: 620-700
Specificity	NALP2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CLR19.9;NACHT;LRR and PYD domains-containing protein 2;NALP2;NBS1; Nucleotide-binding site protein 1;NLRP2 NALP2 NBS1 PAN1 PYPAF2;LRR and PYD domains-containing protein 2 (Nucleotide-binding site protein 1) (PYRIN domain and NACHT domain-containing protein 1) (PYRIN-containing APAF1-like protein 2)
Observed Band	105-110 kDa
Calculated Molecular Weight	121 kDa
Cell Pathway	Cytoplasm .
Tissue Specificity	Expressed at high levels in lung, placenta and thymus and at lower levels in ovary, intestine and brain (PubMed:15456791). Highly abundant in oocytes and early embryos, however poorly expressed in somatic tissues such as brain, kidney, liver and spinal cord (PubMed:30877238).
Function	domain:The DAPIN domain is necessary and sufficient for suppression of NFκB1 activation induced by TNF and for inducing IL1B secretion in collaboration with caspase-1. It is involved in interaction with PYCARD., domain:When isolated, the NACHT domain is involved in interaction with CARD8. This interaction is not detected for the full-length protein, maybe due to autoinhibition, this inhibition might be relieved by an inducible change in protein



folding.,function:Suppresses TNF- and CD40-induced NFkB1 activity at the level of the IKK complex, by inhibiting NFkBIA degradation induced by TNF. When associated with PYCARD, activates CASP1, leading to the secretion of mature proinflammatory cytokine IL1B. May be a component of the inflammasome, a protein complex which also includes PYCARD, CARD8 and CASP1 and whose function would be the activation of proinflammatory caspases.,induction:By inter

Background	NALP proteins, such as NALP2, are characterized by an N-terminal pyrin (MIM 608107) domain (PYD) and are involved in the activation of caspase-1 (CASP1; MIM 147678) by Toll-like receptors (see TLR4; MIM 603030). They may also be involved in protein complexes that activate proinflammatory caspases (Tschopp et al., 2003 [PubMed 12563287]).[supplied by OMIM, Mar 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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