



NALP2 Monoclonal Antibody

Catalog No	BYmab-07173
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	NLRP2 NALP2 NBS1 PAN1 PYPAF2
Protein Name	NACHT, 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)
Immunogen	Synthesized peptide derived from human protein . at AA range: 620-700
Specificity	NALP2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	116kD
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 IL1β 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 NFκB1 activity at the level of the IKK complex, by inhibiting NFκB1A degradation induced by TNF. When associated with PYCARD,

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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.

Products Images

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