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NALP4 Rabbit pAb

Catalog # AP97013

Product Information

Application	WB
Reactivity	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	113 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from rat NLRP4
Epitope Specificity	331-430/982
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the NLRP family. Contains 1 DAPIN domain. Contains 8 LRR (leucine-rich) repeats. Contains 1 NACHT domain.
SUBUNIT	Associates with the subcortical maternal complex (SCMC) composed of at least NLRP5, KHDC3, OOEP, and TLE6 via interaction with OOEP and TLE6.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a member of the nucleotide-binding and leucine-rich repeat receptor (NLR) family, and is predicted to contain an N-terminal pyrin effector domain (PYD), a centrally-located nucleotide-binding and oligomerization domain (NACHT) and C-terminal leucine-rich repeats (LRR). This gene product has a demonstrated role as a negative regulator of autophagy and type I interferon signaling pathways as a result of protein interactions with its NACHT domain. The PYD domain has also been shown to be important in the inhibition of NF-kB (nuclear factor kappa-light-chain-enhancer of activated B cells). [provided by RefSeq, Dec 2016]

Additional Information

Other Names	CLR19.5; CT58; NALP4; PAN2; PYPAF4; RNH2; Nlrp4e; RGD1563529; RGD1564841; NALP4_HUMAN; NLRP4; Cancer/testis antigen 58 (CT58); PAAD and NACHT-containing protein 2 (PAN2); PYRIN and NACHT-containing protein 2; PYRIN-containing APAF1-like protein 4 (PYPAF4); Ribonuclease inhibitor 2; NLR family pyrin domain containing 4; NACHT, leucine rich repeat and PYD containing 4; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 4; cancer/testis antigen 58
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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Function	Required for cytoplasmic lattice formation, thereby modulates the distribution of organelles during oocyte maturation and zygote development Required for preimplantation development in female fertilityMay be involved in inflammation and recognition of cytosolic pathogen-associated molecular patterns (PAMPs) not intercepted by membrane-bound receptors (By similarity).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.