

NALP4 Rabbit pAb

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Catalog # AP58531

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q96MN2
Reactivity	Rat, Human, Mouse
Predicted	Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	113415
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NALP4
Epitope Specificity	351-450/994
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm and Cytosol
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- κ B (nuclear factor kappa-light-chain-enhancer of activated B cells). [provided by RefSeq, Dec 2016]

Additional Information

Gene ID	147945
Other Names	NACHT, LRR and PYD domains-containing protein 4, 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, NLRP4 (HGNC:22943)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

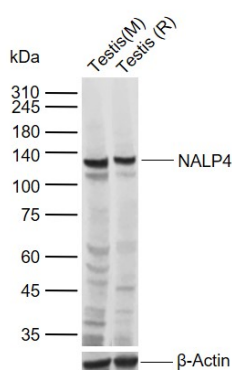
Protein Information

Name	NLRP4 (HGNC:22943)
Function	May be involved in inflammation and recognition of cytosolic pathogen-associated molecular patterns (PAMPs) not intercepted by membrane-bound receptors. Acts as a negative regulator of the type I interferon signaling pathway by serving as an adapter to promote DTX4-mediated ubiquitination of activated TBK1, and its subsequent degradation. Suppresses NF-kappaB induction by the cytokines TNFA and IL1B, suggesting that it operates at a point of convergence in these two cytokine signaling pathways.

Background

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Images



Sample:

Lane 1: Mouse Testis tissue lysates

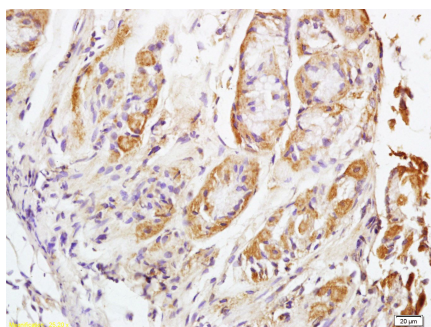
Lane 2: Rat Testis tissue lysates

Primary: Anti-NALP4 (AP58531) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 113 kDa

Observed band size: 113 kDa



Tissue/cell: human colon carcinoma; 4%

Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling

bathing for 15min; Block endogenous peroxidase by 3%

Hydrogen peroxide for 30min; Blocking buffer (normal

goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-NALP4 Polyclonal Antibody,

Unconjugated(AP58531) 1:200, overnight at 4°C, followed

by conjugation to the secondary antibody(SP-0023) and

DAB(C-0010) staining

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