NALP2 / NLRP Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	NALP2 / NLRP (NLRP2), Blocking Peptide
Full Product Name	NALP2 / NLRP Immunizing Peptide
Product Gene Name	NLRP2 blocking peptide
Product Synonym Gene Name	NLRP
Product Synonym Names	NLRP2; NLR family, pyrin domain containing 2; CLR19.9; FLJ20510; NALP2; NBS1; PAN1; PYPAF2; NACHT, LRR and PYD containing protein 2; NACHT, leucine rich repeat and PYD containing 2; PYRIN-Containing APAF1-like; nucleotide-binding oligomerization domain, l; NALP2 / NLRP
Sequence	C-TEKHHPWA ERPSSHD
Species Reactivity	Human
Form/Format	100ug of dried peptide
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	NALP2 / NLRP peptide (MBS428533) is used for blocking the activity of NALP2/NLRP antibody (MBS422628)
Molecular Weight	117,883 Da
OMIM	609364
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for NLRP2 blocking peptide	MBS428533 is a blocking peptide targeting NLRP2. Also known as NALP2 / NLRP Immunizing Peptide. Reactive in Human.
Other Notes	Small volumes of NLRP2 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NLRP2. It may not necessarily be applicable to this product.

NCBI GI #	8923473
NCBI GeneID	55655
NCBI Accession #	NP_060322.1
UniProt Secondary Accession #	Q53FL5; Q59G09; Q8IXT0; Q9BVN5; Q9H6G6; Q9HAV9; Q9NWK3; B4DZL7; I3L0G4
UniProt Related Accession #	Q9NX02
GenBank Nucleotide #	NM_017852.3
NCBI Official Full Name	NACHT, LRR and PYD domains-containing protein 2 isoform 1
NCBI Official Synonym Full Names	NLR family, pyrin domain containing 2
NCBI Official Symbol	NLRP2
NCBI Official Synonym Symbols	NBS1; PAN1; NALP2; PYPAF2; CLR19.9
UniProt Protein Name	NACHT, LRR and PYD domains-containing protein 2

UniProt Synonym Protein Names	Nucleotide-binding site protein 1; PYRIN domain and NACHT domain-containing protein 1; PYRIN-containing APAF1-like protein 2
Protein Family	NACHT, LRR and PYD domains-containing protein
UniProt Gene Name	NLRP2
UniProt Synonym Gene Names	NALP2; NBS1; PAN1; PYPAF2
UniProt Entry Name	NALP2_HUMAN
NCBI Protein Information	NACHT, LRR and PYD domains-containing protein 2
NCBI Summary for NLRP2	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]
UniProt Comments for NLRP2	NLRP2: 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. Belongs to the NLRP family. 4 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 19q13.42 Cellular Component: cytoplasm; Golgi apparatus; intracellular membrane-bound organelle; nuclear chromosome, telomeric region Molecular Function: ATP binding; protein binding; Pyrin domain binding Biological Process: inflammatory response; innate immune response; positive regulation of caspase activity; positive regulation of interleukin-1 beta secretion
Research Articles on NLRP2	**1.** No disease-causing mutations were identified in NLRP2, NLRP7 and KHDC3L in cohorts of unexplained infertility and recurrent pregnancy loss.
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