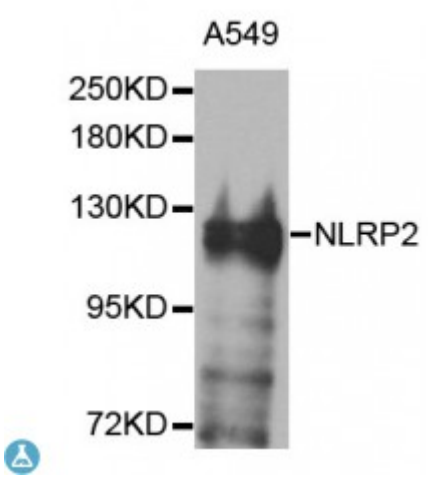
Anti-NLRP2 Antibody



Description	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). Members of this gene family are thought to be important regulators of immune responses. This gene product interacts with components of the IkB kinase (IKK) complex, and can regulate both caspase-1 and NF-kB (nuclear factor kappa-light-chain-enhancer of activated B cells) activity. The pyrin domain is necessary and sufficient for suppression of NF-kB activity. An allelic variant (rs147585490) has been found that is incapable of blocking the transcriptional activity of NF-kB. Alternative splicing results in multiple transcript variants encoding different isoforms.

Model	STJ117856
Host	Rabbit
Reactivity	Human
Applications	IF, WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-220 of human NLRP2 (NP_060322.1).
Gene ID	55655
Gene Symbol	NLRP2
Dilution range	WB 1:500 - 1:2000 IF 1:50 - 1:200
Tissue Specificity	Expressed at high levels in lung, placenta and thymus and at lower levels in ovary, intestine and brain

Purification	Affinity purification
Note	For Research Use Only (RUO).
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
Molecular Weight	120.515 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:22948OMIM:609364
Alternative Names	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
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,
Cellular Localization	Cytoplasm