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Product datasheet for TA306119

CARD12 (NLRC4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 10 ug/mL, IF: 10 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Ipaf antibody was raised against a synthetic peptide corresponding to amino acids near the C-terminus of human Ipaf.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	NLR family, CARD domain containing 4
Database Link:	NP_067032 Entrez Gene 58484 Human Q9NPP4
Background:	Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain containing adaptor molecules and proteases including several members of the caspase family. Another family of proteins that functions as a critical regulator of apoptosis and NF-kappaB signaling pathways is the CED-4/Apaf-1 (apoptosis protein activating factor-1) protein family (1). Ipaf (ICE protease activating factor) is a CED-4/Apaf-1 family member that activates caspase-1/ICE and can induce apoptosis in human cells in a caspase-1 dependent manner (2,3). Ipaf and caspase-1 are thought to interact with each other through the association of the Ipaf amino-terminal CARD (caspase recruitment domain) and amino-terminal CARD of caspase-1.

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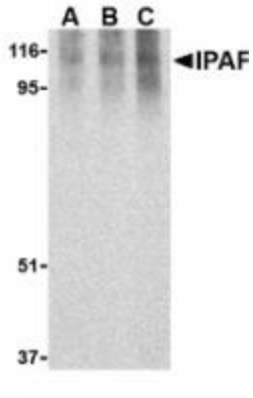
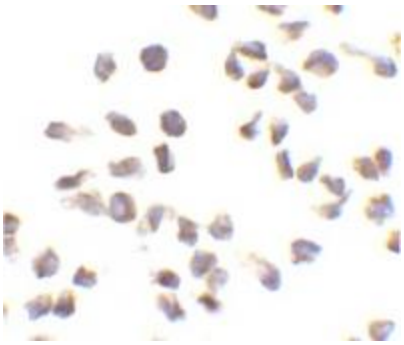
Synonyms: AIFEC; CARD12; CLAN; CLAN1; CLANA; CLANB; CLANC; CLAND; CLR2.1; FCAS4; IPAF

Protein Pathways: NOD-like receptor signaling pathway

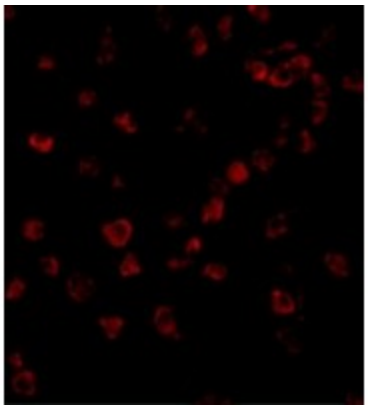
Product images:



Western blot analysis of Ipaf in human PBL lysate with Ipaf antibody at 0.5 (lane A), 1 (lane B), and 2 (lane C) ug/mL, respectively.



Immunocytochemistry of Ipaf in THP-1 cells with Ipaf antibody at 10 ug/mL.



Immunofluorescence of Ipaf in THP1 cells with Ipaf antibody at 10 ug/mL.