

Datasheet for ABIN500034

anti-NLRC4 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	NLRC4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NLRC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human Ipaf / CARD12 / CLANA Peptide
Isotype:	IgG
Specificity:	Ipaf antibody was raised against a synthetic peptide corresponding to amino acids near the C-terminus of human Ipaf.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	NLRC4
Alternative Name:	NLRC4 (NLRC4 Products)
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

Target Details

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. Synonyms: CARD12, CLAN, CLAN1, IPAF, NLR family CARD domain-containing protein 4

Gene ID: 58484

NCBI Accession: [NP_067032](#)

UniProt: [Q9NPP4](#)

Pathways: [Activation of Innate immune Response](#), [Positive Regulation of Endopeptidase Activity](#), [Inflammasome](#)

Application Details

Application Notes: ELISA. Western Blot: 0.5 to 2 µg/mL. Human peripheral blood leukocyte (PBL) cell lysate can be used as positive control and a 110 kDa band can be detected. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

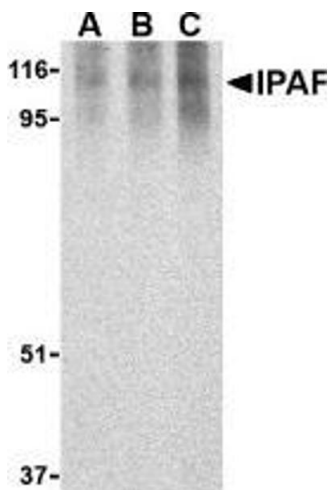
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

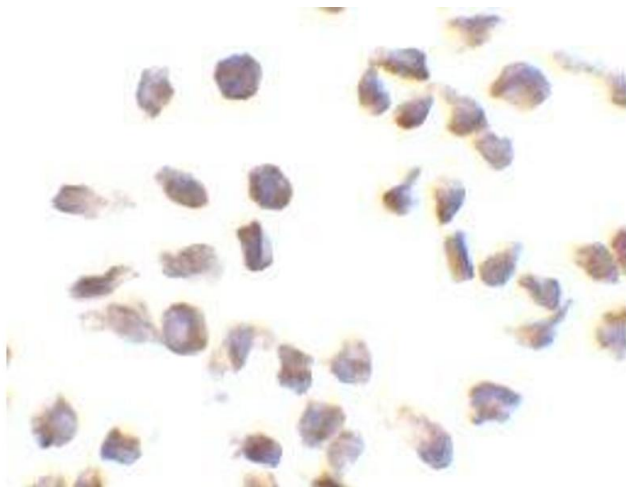
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Western Blotting

Image 1. Western blot analysis of Ipaf in human PBL lysate with AP30437PU-N Ipaf antibody at 0.5 (lane A), 1 (lane B), and 2 (lane C) $\mu\text{g/ml}$, respectively.



Immunofluorescence

Image 2. Immunocytochemistry of Ipaf in THP-1 cells with AP30437PU-N Ipaf antibody at 10 $\mu\text{g/ml}$.