

20-1066: Polyclonal antibody to CARD12 (IPAF/CIAN)

Clonality :	Polyclonal
Application :	WB,IHC,IP
Reactivity :	Human,Mouse
Gene :	NLRC4
Gene ID :	58484
Uniprot ID :	Q9NPP4
Format :	Sera
Alternative Name :	NLRC4,CARD12,CLAN,CLAN1,IPAF,UNQ6189/PRO20215
Isotype :	Rabbit IgG
Immunogen Information :	A synthetic peptide of IPAF/CIAN/CARD12 (amino acids 637-654 EEAPETYIPSRVSLFFN) was used as immunogen for this antibody

Description

Ipaf (also known as Clan/CARD12) is a CARD domain containing protein. In general CARD proteins are implicated in host defense against infection, environmental stress or cellular damage. CARD domains are found in the N-terminal pro-domains of certain caspases, a family of apoptotic and pro-inflammatory proteases, as well as in a diversity of other proteins including Ipaf/Clan/CARD12. There are at least three major signaling pathways in which CARD proteins act: (1) Regulation of caspase activation in the context of apoptosis (2) Regulation of caspase activation in the context of inflammation (3) Regulation of NF- κ B activation in the context of innate or adaptive immune responses. As there is significant crosstalk between pathways that lead to caspase-mediated apoptosis or inflammation and pathways that result in NF- κ B activation, it is logical that similar protein modules such as CARD domains are found repeatedly in proteins from all three pathways. Ipaf plays a role in regulating caspase-1 activity, which in turn mediates the maturation of inflammatory cytokines IL-1 β and IL-18. Ipaf also interacts with the pro-apoptotic adaptor protein ASC and co-expression of Ipaf with ASC has been shown to induce NF- κ B activation and apoptosis.

Product Info

Amount :	50 μ l
Content :	50 μ l sera
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:1000-1:2000, IHC (paraffin): 1:1000-1:5000, IHC (frozen): Users should optimize, IP: 1:50-1:200