

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 acis 637-654 EEAPETYIPSRAVSLFFN) 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) Regaultion of NF-kB 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-kB 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-1b and IL-18. Ipaf also interact with the pro-apoptotic adaptor protein ASC and co-expression of Ipaf with ASC has been shown to induce NF-kB activation and apoptosis.

Product Info

| Amount : | 50 μΙ |
|---------------------|---|
| Content : | 50 μl 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