



Ice Protease Activating Factor (IPAF, Caspase recruitment domain containing protein 12, CARD12, CARD LRR and NACHT Containing Protein 1, CLAN1, CLANA, CLANB, CLANC, Clan Protein, CLR2.1, NLR Family CARD Domain Containing 4, NLRC4)

Catalog number

I0610-12

Supplier

United States Biological

Ipaf (also known as Clan/CARD12) is a CARD domain containing protein. CARD (caspase-associated recruitment domain) proteins are key regulators of cell death, cell survival and cytokine production (reviewed in Damiano and Reed, 2004). 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. CARD domains are homotypic protein interaction motifs that enable networks of proteins to communicate via CARD-CARD interactions. 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.

Applications

Suitable for use in Western Blot, Immunoprecipitation and Immunohistochemistry. Other applications not tested.

Recommended Dilutions

Western Blot: 1:1000-1:2000

Immunoprecipitation: 1:50-1:200

Immunohistochemistry (Frozen): 1:10-1:500

Immunohistochemistry (Paraffin): 1:1000-1:5000

Optimal dilutions to be determined by the researcher.

Storage and Stability

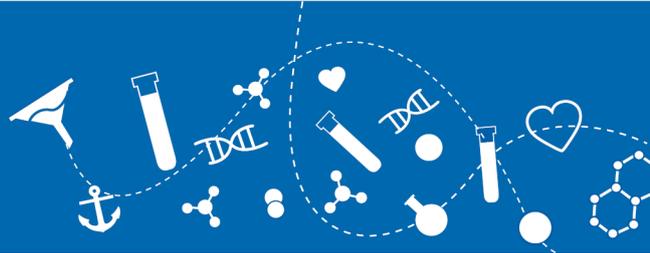
May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Synthetic peptide corresponding to aa637-654, EEAPETYIPSRVSLFFN of human Ice Protease Activating Factor. Species Sequence Homology: rat

Formulation

Supplied as a liquid, 0.05% sodium azide.

**Purity**

Serum

Specificity

Recognizes human IPAF. Species Crossreactivity: mouse

Product Type

Pab

Source

human

Isotype

IgG

Grade

Serum

Applications

IHC IP WB

Crossreactivity

Hu Mo

Storage

-20°C