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Datasheet

CASP4 polyclonal antibody

Catalog Number: PAB9824

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of CASP4.

Immunogen: A synthetic peptide corresponding to N-terminus of human CASP4.

Host: Rabbit

Reactivity: Human,Mouse

Applications: IHC, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Recommend Usage: Western Blot (1 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.02% sodium azide)

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 837

Gene Symbol: CASP4

Gene Alias: ICE(rel)II, ICEREL-II, ICH-2, Mih1/TX, TX

Gene Summary: This gene encodes a protein that is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, this gene induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq]

References:

1. Inflammatory caspases: linking an intracellular innate immune system to autoinflammatory diseases. Martinon F, Tschopp J. Cell. 2004 May 28;117(5):561-74.
2. Interleukin-18. Gracie JA, Robertson SE, McInnes IB. J Leukoc Biol. 2003 Feb;73(2):213-24.
3. Altered cytokine export and apoptosis in mice deficient in interleukin-1 beta converting enzyme. Kuida K, Lippke JA, Ku G, Harding MW, Livingston DJ, Su MS, Flavell RA. Science. 1995 Mar 31;267(5206):2000-3.