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Datasheet

CASP10 polyclonal antibody

Catalog Number: PAB9819

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of CASP10.

Immunogen: A synthetic peptide corresponding to amino acids 505-521 of human CASP10.

Host: Rabbit

Reactivity: Human,Mouse,Rat

Applications: 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 (0.5-1.0 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: 843

Gene Symbol: CASP10

Gene Alias: ALPS2, FLICE2, MCH4

Gene Summary: This gene encodes a protein which 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 which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 3 and 7, and the protein itself is processed by caspase 8. Mutations in this gene are associated with apoptosis defects seen in type II autoimmune lymphoproliferative syndrome. Three alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

References:

1. Caspases: the executioners of apoptosis. Cohen GM. Biochem J. 1997 Aug 15;326 (Pt 1):1-16.
2. Fas-associated death domain protein interleukin-1beta-converting enzyme 2 (FLICE2), an ICE/Ced-3 homologue, is proximally involved in CD95- and p55-mediated death signaling. Vincenz C, Dixit VM. J Biol Chem. 1997 Mar 7;272(10):6578-83.
3. In vitro activation of CPP32 and Mch3 by Mch4, a novel human apoptotic cysteine protease containing two FADD-like domains. Fernandes-Alnemri T, Armstrong RC, Krebs J, Srinivasula SM, Wang L, Bullrich F, Fritz LC, Trapani JA, Tomaselli KJ, Litwack G, Alnemri ES. Proc Natl Acad Sci U S A. 1996 Jul 23;93(15):7464-9.