

Caspase 10 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51039

Product Information

Application	WB
Primary Accession	Q92851
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58951

Additional Information

Gene ID	843
Other Names	Caspase-10, CASP-10, Apoptotic protease Mch-4, FAS-associated death domain protein interleukin-1B-converting enzyme 2, FLICE2, ICE-like apoptotic protease 4, Caspase-10 subunit p23/17, Caspase-10 subunit p12, CASP10, MCH4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Caspase 10. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CASP10
Synonyms	MCH4
Function	Involved in the activation cascade of caspases responsible for apoptosis execution. Recruited to both Fas- and TNFR-1 receptors in a FADD dependent manner. May participate in the granzyme B apoptotic pathways. Cleaves and activates effector caspases CASP3, CASP4, CASP6, CASP7, CASP8 and CASP9. Hydrolyzes the small- molecule substrates, Tyr- Val-Ala-Asp- -AMC and Asp-Glu-Val-Asp- -AMC.
Tissue Location	Detectable in most tissues. Lowest expression is seen in brain, kidney, prostate, testis and colon

Background

Involved in the activation cascade of caspases responsible for apoptosis execution. Recruited to both Fas- and TNFR-1 receptors in a FADD dependent manner. May participate in the granzyme B apoptotic pathways. Cleaves and activates caspase- 3, -4, -6, -7, -8, and -9. Hydrolyzes the small- molecule substrates, Tyr-Val-Ala-Asp-|-AMC and Asp-Glu-Val-Asp-|-AMC.

References

Fernandes-Alnemri T.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:7464-7469(1996).
Vincenz C.,et al.J. Biol. Chem. 272:6578-6583(1997).
Ng P.W.,et al.J. Biol. Chem. 274:10301-10308(1999).
Hadano S.,et al.Genomics 71:200-213(2001).
Vonarbourg C.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.

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