



CASP10 Polyclonal Antibody

E90216

Catalog Number: E90216

Amount: 100ul

Background: Caspase-10 is a DED (death effector domain)-containing caspase and functions as an initiator caspase in Fas/TNF induced apoptosis (1). Four isoforms of caspase-10 have been identified: caspase-10a (Mch4), caspase-10b (FLICE2), caspase-10c and caspase-10d. They have the same prodomain but different mature large and small subdomains (2-4). Upon death ligand-receptor binding, caspase-10 is coupled to the multimeric Fas/TNF receptor complex via DED/FADD adaptor interaction (1-4). This complex processes procaspase-10 into a large active fragment and a small fragment. Cleaved caspase-10 further processes other caspase members, including caspase-3 and caspase-7, to initiate a caspase cascade, leading to apoptosis (3-6).

Species: Rabbit

Isotype: IgG

Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: CASP10;MCH4; Caspase 10; FLICE2; CASP 10; ICE like apoptotic protease 4

Immunogen: Recombinant protein of human CASP10

Purification: Affinity purification

Reactivity: H M R

Applications: WB IHC

Molecular Weight: 59kDa

Swiss-Prot No. : Q92851

Gene ID: 843

References: 1. Nunez, G. et al. (1998) Oncogene 17, 3237-3245. 2. Ng, P. W. et al. (1999) J. Biol. Chem. 274, 10301-10308. 3. Vincenz, C. and Dixit, V.M. (1997) J. Biol. Chem. 272, 6578-6583. 4. Fernandez-Alnemri, T. et al. (1996) Proc. Natl. Acad. Sci. USA 93, 7464-7469. 5. Srinivasula, S. M. et al. (1996) Proc. Natl. Acad. Sci. USA 93, 14486-14491. 6. Wang, J. et al. (1999) Cell 98, 47-58.

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