

Product Datasheet

Caspase-10 Antibody

Catalog No: CY5975

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC IP FC



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Information

UniProt ID: Q92851

All Names: Apoptotic protease Mch4; CASP10; Caspase10; FLICE2; ICE like apoptotic protease 4; FADD-like ICE2;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 59 kDa

Application

WB 1:500~1:2000

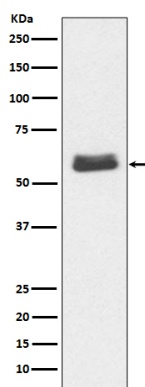
IHC 1:50~1:100

IP 1:50

FC 1:50

Background

Caspase-10 is a DED (death effector domain)-containing caspase and functions as an initiator caspase in Fas/TNF induced apoptosis. 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). Upon death ligand-receptor binding, caspase-10 is coupled to the multimeric Fas/TNF receptor complex via DED/FADD adaptor interaction. 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.



Western blot analysis of Caspase-10 expression in Jurkat cell lysate.

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