

Product Datasheet

Caspase-9 Antibody

Catalog No: CY5049

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC ICC FC IP



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Information

UniProt ID: P55211

All Names: APAF-3; Caspase9; EC 3.4.22.-; ICE-LAP6; Apoptotic protease Mch-6; Apoptotic protease activating factor 3; CASP-9; Caspase-9; Caspase-9 precursor; ICE-like apoptotic protease 6; MCH6; RNCASP9

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.: 48 kDa

Application

WB: 1:500~1:2000

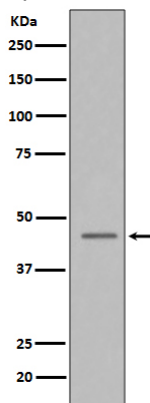
IHC: 1:50~1:200

ICC: 1:50~1:200

IP: 1:50

Background

Caspase-9 (ICE-LAP6, Mch6) is an important member of the cysteine aspartic acid protease (caspase) family. Upon apoptotic stimulation, cytochrome c released from mitochondria associates with the 47 kDa procaspase-9/Apaf 1. Apaf-1 mediated activation of caspase-9 involves intrinsic proteolytic processing resulting in cleavage at Asp315 and producing a p35 subunit. Another cleavage occurs at Asp330 producing a p37 subunit that can serve to amplify the apoptotic response. Cleaved caspase-9 further processes other caspase members, including caspase-3 and caspase-7, to initiate a caspase cascade, which leads to apoptosis.



Western blot analysis of Caspase-9 in HeLa cell lysate treated with Camptothecin.

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