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Caspase-9 Antibody

Rabbit mAb
Catalog # AP90116

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	P55211
Reactivity	Human
Clonality	Monoclonal
Other Names	APAF-3; Caspase9; ICE-LAP6; Apoptotic protease Mch-6; CASP-9; Caspase-9; Caspase-9 precursor; MCH6; RNCASP9;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	46281

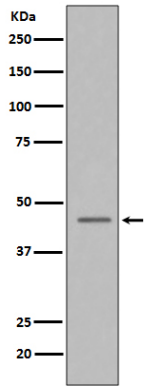
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Caspase-9
Description	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 instrinsic proteolytic processing resulting in cleavage at Asp315 and producing a p35 subunit.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	CASP9
Synonyms	MCH6
Function	Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates effector caspases caspase-3 (CASP3) or caspase-7 (CASP7). Promotes DNA damage- induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP). Cleaves BIRC6 following inhibition of BIRC6-caspase binding by DIABLO/SMAC (PubMed:36758105, PubMed:36758106).
Tissue Location	Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

Images



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

Image not found : 202311/AP90116-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human liver cancer, using Caspase-9 Antibody.

Image not found : 202311/AP90116-IF.jpg

Immunofluorescent analysis of 3T3 cells, using Caspase-9 Antibody.

Image not found : 202311/AP90116-wb6.jpg

Natural antisense transcript of hypoxia-inducible factor 1 regulates hypoxic cell apoptosis in epithelial ovarian cancer. -OncoTargets and Therapy

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.