Product Datasheet

CASP9 antibody

Catalog No: #38432

Package Size: #38432-1 50ul #38432-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

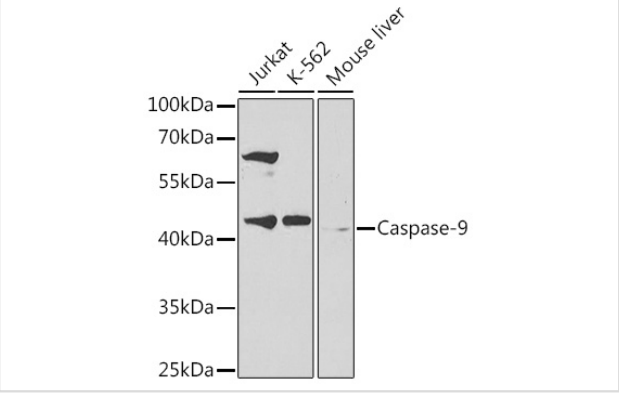
Description

Product Name	CASP9 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total CASP9 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human CASP9.
Target Name	CASP9
Other Names	MCH6; APAF3; APAF-3; PPP1R56; ICE-LAP6;
Accession No.	Swiss-Prot#: P55211NCBI Gene ID: 842
Uniprot	P55211
GeneID	842;
SDS-PAGE MW	46kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

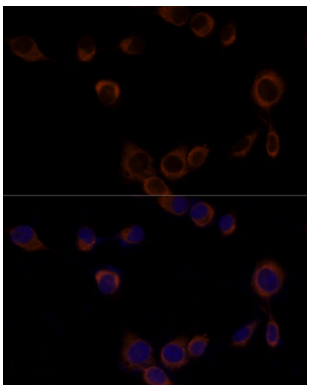
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:100

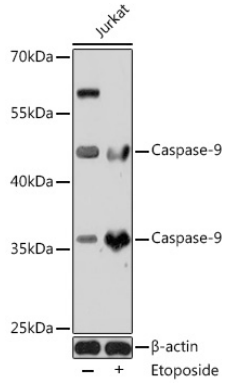
Images



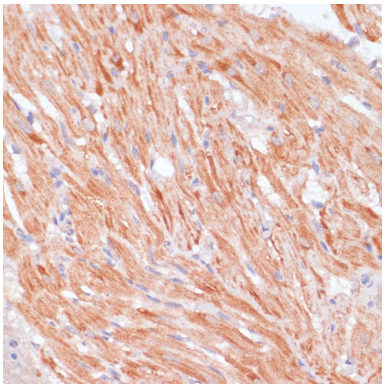
Western blot analysis of extracts of various cell lines, using Caspase-9 at 1:300 dilution.



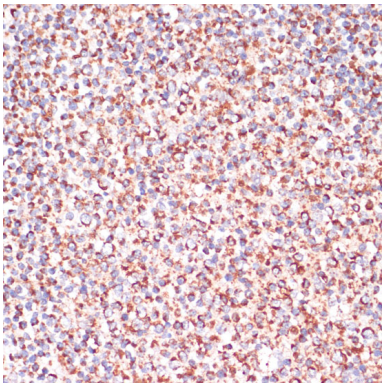
Immunofluorescence analysis of NIH/3T3 cells using Caspase-9 at dilution of 1:100. Blue: DAPI for nuclear staining.



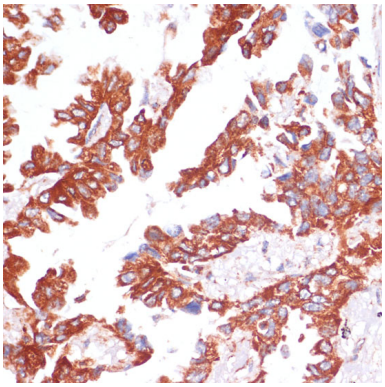
Western blot analysis of extracts of Jurkat cells, using Caspase-9 at 1:1000 dilution.Jurkat cells were treated by Etoposide (25 uM) at 37°C for 5 hours.



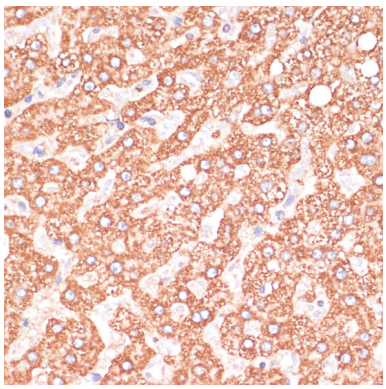
Immunohistochemistry of paraffin-embedded rat heart using Caspase-9 at dilution of 1:100 (40x lens).



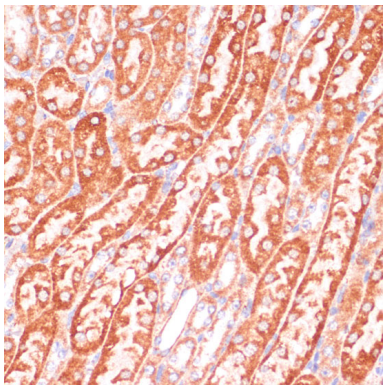
Immunohistochemistry of paraffin-embedded human tonsil using Caspase-9 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human lung cancer using Caspase-9 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver using Caspase-9 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using Caspase-9 at dilution of 1:100 (40x lens).

Background

Caspase-9 (ICE-LAP6, Mch6) is an important member of the cysteine aspartic acid protease (caspase) family (1,2). 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. Another cleavage occurs at Asp330 producing a p37 subunit that can serve to amplify the apoptotic response (3-6). Cleaved caspase-9 further processes other caspase members, including caspase-3 and caspase-7, to initiate a caspase cascade, which leads to apoptosis (7-10).

Note: This product is for in vitro research use only