Product Datasheet

pro Caspase 9 Rabbit mAb

Catalog No: #49230

Package Size: #49230-1 50ul #49230-2 100ul

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

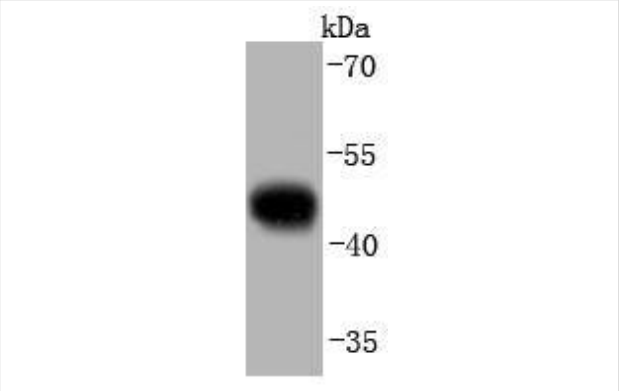
Description

Product Name	pro Caspase 9 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ08-05
Purification	ProA affinity purified
Applications	WB, IHC, FC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	APAF-3 antibody APAF3 antibody Apoptotic protease Mch-6 antibody Apoptotic protease-activating factor 3 antibody CASP-9 antibody CASP9 antibody CASP9_HUMAN antibody Caspase-9 subunit p10 antibody ICE-LAP6 antibody ICE-like apoptotic protease 6 antibody ICELAP6 antibody MCH6 antibody
Accession No.	Swiss-Prot#:P55211
Uniprot	P55211
GeneID	842;
Calculated MW	46 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

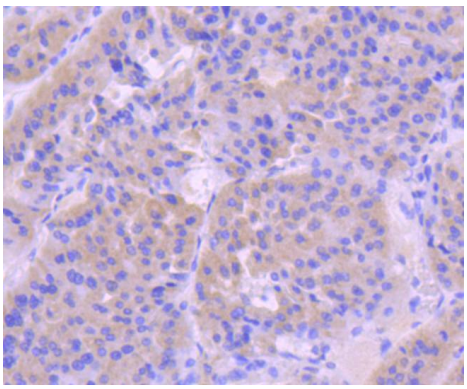
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200FC: 1:10-1:50

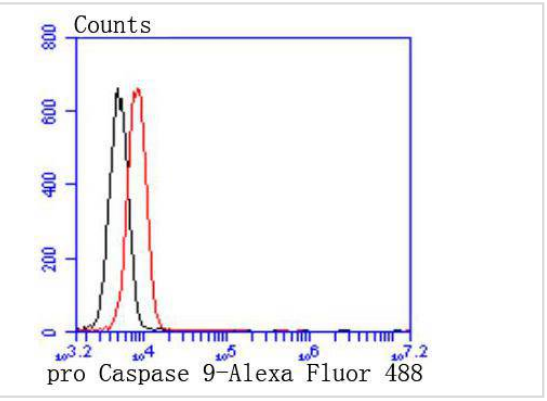
Images



Western blot analysis of pro Caspase 9 on Hela cells lysates using anti-pro Caspase 9 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-pro Caspase 9 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Jurkat cells with pro Caspase 9 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

Background

A unique family of cysteine proteases has been described that differs in sequence, structure and substrate specificity from any previously described protease family. This family, Ced-3/caspase-1, is comprised of caspase-1, caspase-2, caspase-3, caspase-4, caspase-6, caspase-7 (also designated Mch3, ICE-LAP3 or CMH-1), caspase-9 and caspase-10. Ced-3/caspase-1 family members function as key components of the apoptotic machinery and act to destroy specific target proteins which are critical to cellular longevity. Poly(ADP-ribose) polymerase plays an integral role in surveying for DNA mutations and double strand breaks. Caspase-3, caspase-7 and caspase-9, but not caspase-1, have been shown to cleave the nuclear protein PARP into an apoptotic fragment. Caspase-6, but not caspase-3, has been shown to cleave the nuclear lamins, which are critical to maintaining the integrity of the nuclear envelope and cellular morphology. Caspase-10 has been shown to activate caspase-3 and caspase-7 in response to apoptotic stimuli.

References

Note: This product is for in vitro research use only