Product Datasheet

pro Caspase 7 Rabbit mAb

Catalog No: #49137

Package Size: #49137-1 50ul #49137-2 100ul

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

Description

Product Name	pro Caspase 7 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD20-57
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	apoptosis-related cysteine peptidase antibody Apoptotic protease Mch-3 antibody CASP-7 antibody CASP7 antibody CASP7_HUMAN antibody Caspase-7 subunit p11 antibody CMH-1 antibody ICE-LAP3 antibody ICE-like apoptotic protease 3 antibody
Accession No.	Swiss-Prot#:P55210
Uniprot	P55210
GeneID	840;
Calculated MW	34 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

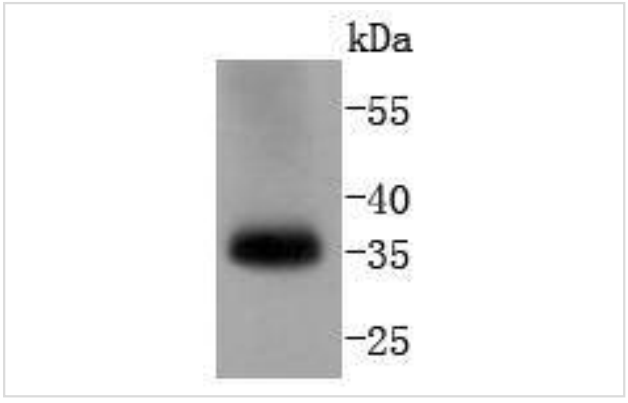
Application Details

WB: 1:1,000-1:2,000

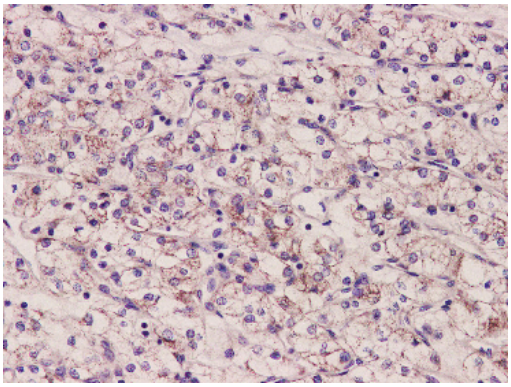
IHC: 1:50-1:200

ICC: 1:50-1:200

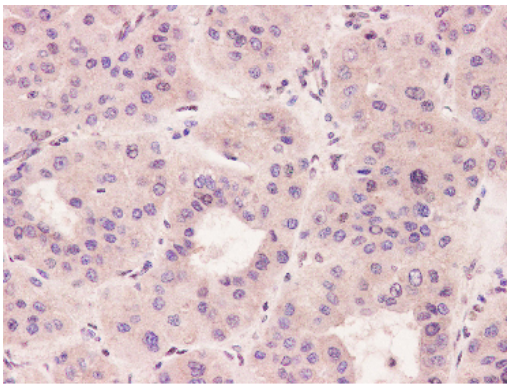
Images



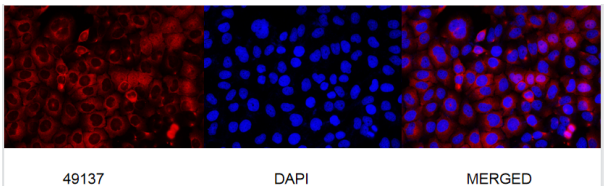
Western blot analysis of pro Caspase 7 on human lung lysates using anti-pro Caspase 7 antibody at 1/1,000 dilution.



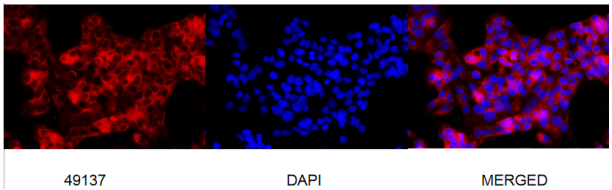
#49137 at 1/100 staining human liver cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



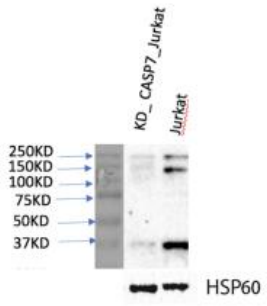
#49137 at 1/100 staining human kidney cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



ICC staining pro Caspase 7 in Hela Cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining pro Caspase 7 in HepG2 Cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Western blotting analysis using pro Caspase 7 Antibody #49137.

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.

Note: This product is for in vitro research use only