

Caspase-14 Rabbit mAb

Catalog No: #49263

Package Size: #49263-1 50ul #49263-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

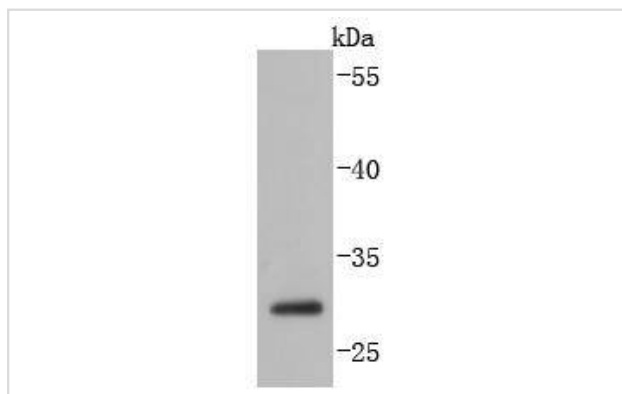
Description

Product Name	Caspase-14 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ089-01
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Apoptosis related cysteine protease antibody CASP 14 antibody CASP-14 antibody CASP14 antibody Caspase 14 apoptosis related cysteine protease antibody Caspase 14 precursor antibody Caspase-14 subunit p10 antibody Caspase14 antibody CASPE_HUMAN antibody MGC119078 antibody MGC119079 antibody MICE antibody Mini ICE antibody
Accession No.	Swiss-Prot#:P31944
Uniprot	P31944
GeneID	23581;
Calculated MW	28 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

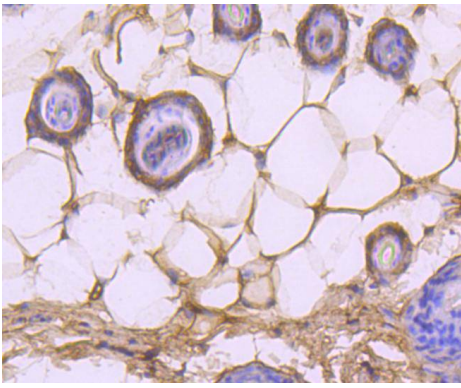
Application Details

WB: 1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:50-1:100

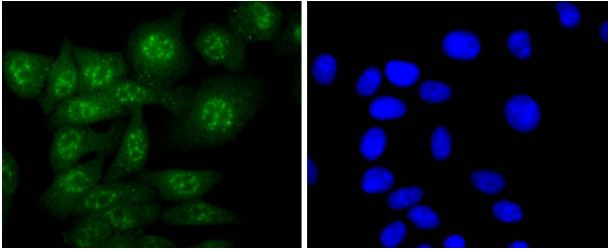
Images



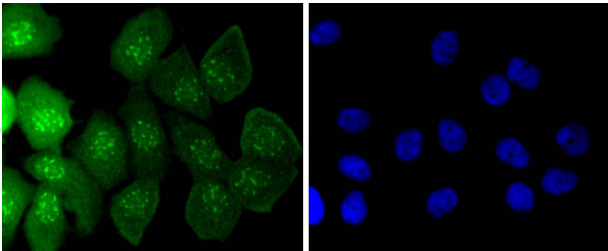
Western blot analysis of Caspase-14 on MCF-7 cells lysates using anti-Caspase-14 antibody at 1/1,000 dilution.



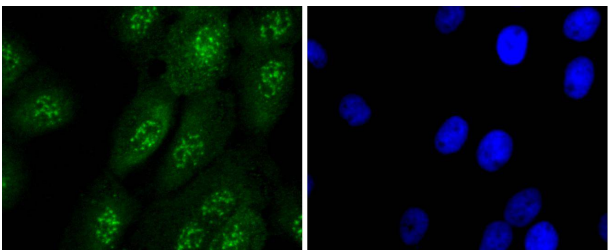
Immunohistochemical analysis of paraffin-embedded mouse skin tissue using anti-Caspase-14 antibody. Counter stained with hematoxylin.



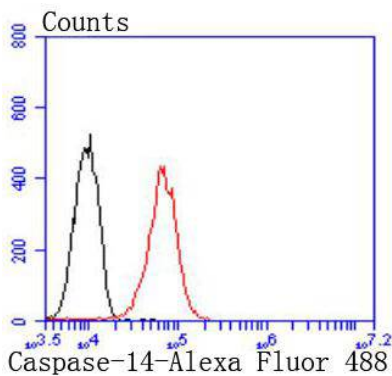
ICC staining Caspase-14 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Caspase-14 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Caspase-14 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of A431 cells with Caspase-14 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 composed of caspase-1, caspase-2, caspase-3, caspase-4, caspase-6 and caspase-7 (also designated Mch3, ICE-LAP3 or CMH-1), caspase-9, caspase-10, and caspase-14. 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. 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-14, also designated MICE (for mini-ICE), is highly expressed in embryonic tissues but appears to be absent from adult tissues. Pro-caspase-14 can be processed in vitro by caspase-8 and caspase-10 but not by other caspases.

References

Note: This product is for in vitro research use only