

## Caspase-6 Rabbit mAb

Catalog No: #48936

Package Size: #48936-1 50ul #48936-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

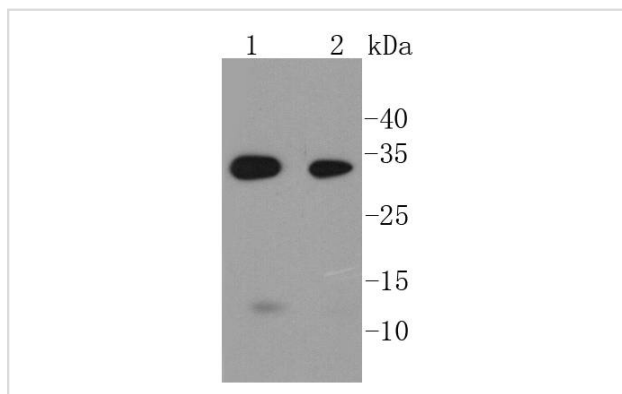
## Description

Product Name	Caspase-6 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC56-09
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Apoptotic protease Mch-2 antibody Apoptotic protease MCH2 antibody CASP-6 antibody CASP6 antibody CASP6_HUMAN antibody Caspase 6 antibody Caspase 6 apoptosis related cysteine protease antibody Caspase 6, apoptosis related cysteine peptidase antibody Caspase-6 subunit p11 antibody Mch2 antibody OTTHUMP00000162742 antibody OTTHUMP00000162743 antibody
Accession No.	Swiss-Prot#:P55212
Uniprot	P55212
GeneID	839;
Calculated MW	11/33 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

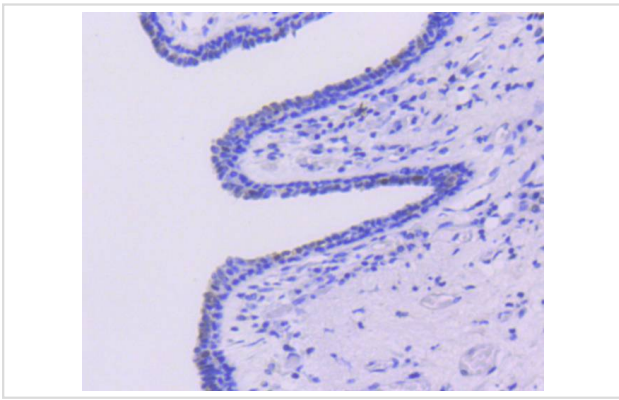
## Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200

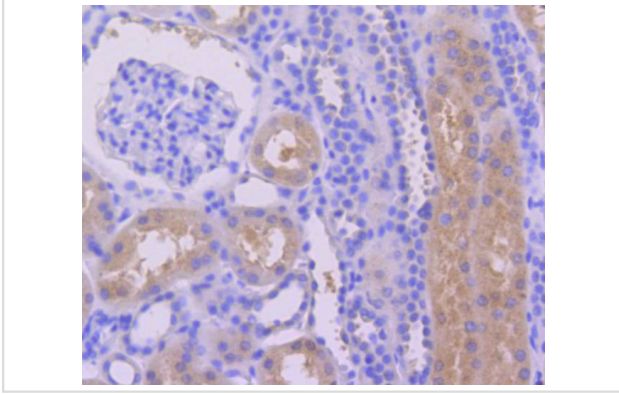
## Images



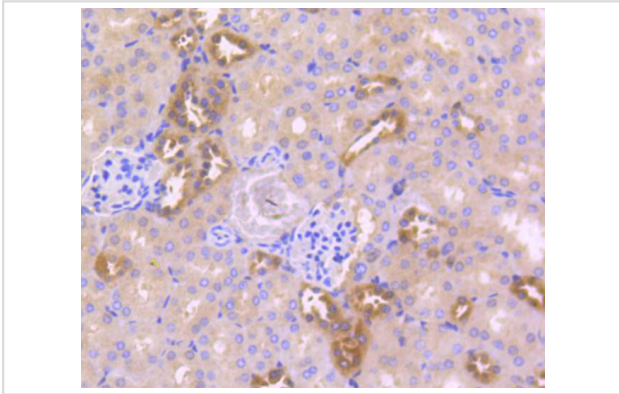
Western blot analysis of Caspase-6 on different lysates using anti-Caspase-6 antibody at 1/1,000 dilution. Positive control:  
Lane 1: Mouse colon      Lane 2: MCF-7



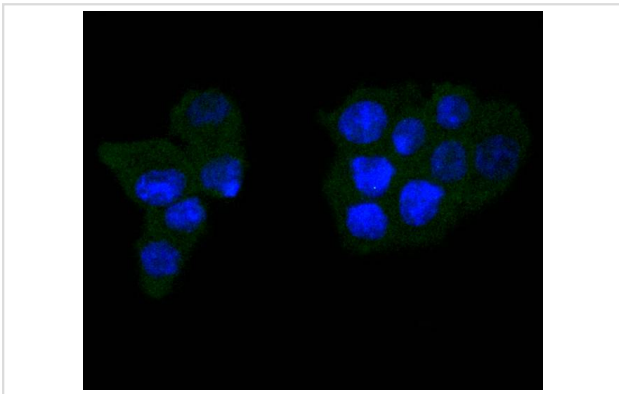
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Caspase-6 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Caspase-6 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Caspase-6 antibody. Counter stained with hematoxylin.



ICC staining Caspase-6 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## 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

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Note: This product is for in vitro research use only