

## Caspase 6 Rabbit mAb

Catalog No: #52004

Package Size: #52004-1 50ul #52004-2 100ul

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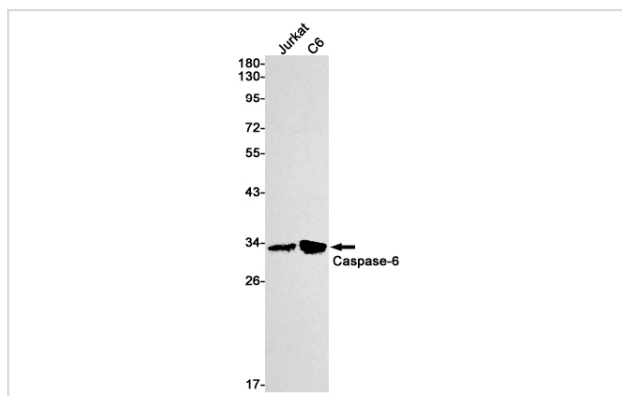
## Description

Product Name	Caspase 6 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S04-5F9
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant protein of human Caspase-6
Conjugates	Unconjugated
Modification	Unmodification
Other Names	CASP-6;Apoptotic protease Mch-2;Caspase-6 subunit p18;Caspase-6 subunit p11
Accession No.	Swiss-Prot:P55212GenelD:839
Uniprot	P55212
GenelD	839
Calculated MW	Calculated MW: 33 kDa; Observed MW: 11kDa(cleavage),33 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Application Details

WB: 1/1000

## Images



Western blot detection of Caspase-6 in Jurkat,C6 cell lysates using Caspase-6 Rabbit mAb(1:1000 diluted).Predicted band size:33kDa.Observed band size:11kDa(cleavage),33kDa.

## Background

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Swiss-Prot Acc.P55212.Functioni

Cysteine protease that plays essential roles in programmed cell death, axonal degeneration, development and innate immunity (PubMed:8663580, PubMed:19133298, PubMed:22858542, PubMed:28864531, PubMed:30420425, PubMed:32298652).

Acts as a non-canonical executioner caspase during apoptosis: localizes in the nucleus and cleaves the nuclear structural protein NUMA1 and lamin A/LMNA thereby inducing nuclear shrinkage and fragmentation (PubMed:8663580, PubMed:9463409, PubMed:11953316, PubMed:17401638).

Lamin-A/LMNA cleavage is required for chromatin condensation and nuclear disassembly during apoptotic execution (PubMed:11953316).

Acts as a regulator of liver damage by promoting hepatocyte apoptosis: in absence of phosphorylation by AMP-activated protein kinase (AMPK), catalyzes cleavage of BID, leading to cytochrome c release, thereby participating in nonalcoholic steatohepatitis (PubMed:32029622).

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Note: This product is for in vitro research use only