

## Caspase-9 Antibody

Catalog No: #24050

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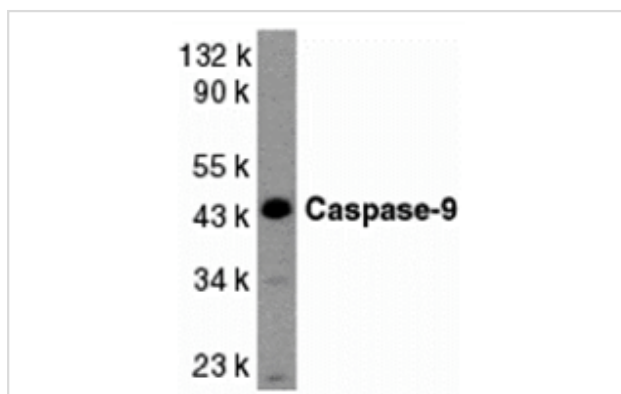
## Description

Product Name	Caspase-9 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB ICC
Species Reactivity	Hu
Specificity	It has no cross response to other members in caspase family.
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 299 to 318 of human caspase-9.
Target Name	Caspase-9
Other Names	Mch6, Apaf-3, Casp-9
Accession No.	P55211
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

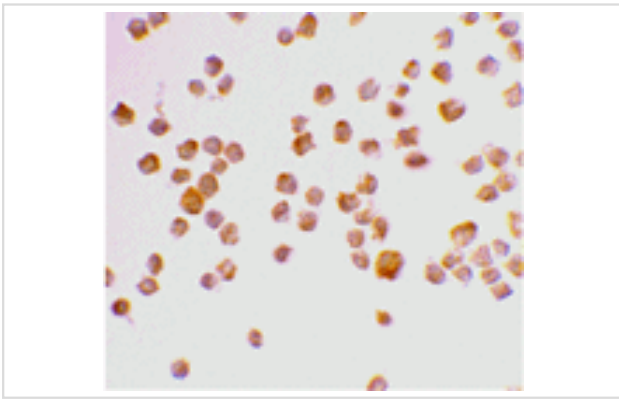
## Application Details

Predicted MW: 46 kd

## Images



Western blot analysis of caspase-9 in HeLa whole cell lysate with Caspase-9 antibody at 1:1000 dilution



Immunocytochemistry staining of K562 cells using Caspase-9 antibody at 2 ug/mL.

## Background

Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain containing adapter molecules and members of the caspase family of proteases. A novel member in the caspase family was recently identified and designated ICE-LAP6, Mch6, and Apaf-3. Caspase-9 and Apaf-1 bind to each other, which leads to caspase-9 activation. Caspase-9 is also activated by granzyme B and CPP32. Activated caspase-9 cleaves and activates caspase-3 that is one of the key proteases, being responsible for the proteolytic cleavage of many key proteins in apoptosis. Caspase-9 play a central role in cell death induced by a wide variety of apoptosis activators including TNF $\alpha$ , TRAIL, anti-CD-95, FADD, and TRADD. Caspase-9 is expressed in a variety of human tissues.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.