

Datasheet for ABIN499579

anti-Caspase 9 antibody (Intermediate Domain 2)



[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	Caspase 9 (CASP9)
Binding Specificity:	Intermediate Domain 2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human Caspase-9 (Intermediate Domain 2) Peptide
Isotype:	IgG
Specificity:	Caspase-9 antibody was raised against a peptide corresponding to amino acids 299 to 318 of human caspase-9. It has no cross response to other members in caspase family.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	Caspase 9 (CASP9)
Alternative Name:	Caspase-9 (CASP9 Products)
Background:	Apoptosis is related to many diseases and induced by a family of cell death receptors and their

Target Details

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 (1-3). Caspase-9 and Apaf-1 bind to each other, which leads to caspase-9 activation (3). Caspase-9 is also activated by granzyme B and CPP32 (1,2). 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 (3). Caspase-9 play a central role in cell death induced by a wide variety of apoptosis activators including TNFalpha, TRAIL, anti-CD-95, FADD, and TRADD (4). Caspase-9 is expressed in a variety of human tissues (1,2).Synonyms: APAF-3, APAF3, Apoptotic protease Mch-6, Apoptotic protease-activating factor 3, CASP-9, CASP9, ICE-LAP6, ICE-like apoptotic protease 6, MCH6

Gene ID:

842

UniProt:

[P55211](#)

Pathways:

[MAPK Signaling](#), [RTK Signaling](#), [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes:

ELISA. Western Blot: Caspase-9 antibody can be used for detection of caspase-9 at 1/1000 to 1/2000 dilution. A 46 kDa band should be detected. Immunocytochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions:

For Research Use only

Handling

Buffer:

PBS containing 0.02 % sodium azide.

Preservative:

Sodium azide

Precaution of Use:

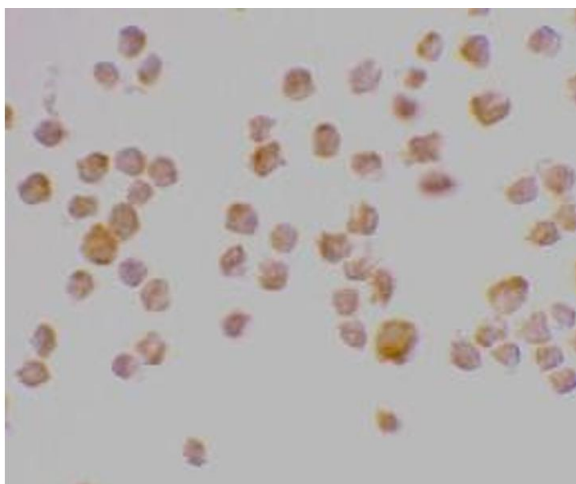
This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage:

4 °C

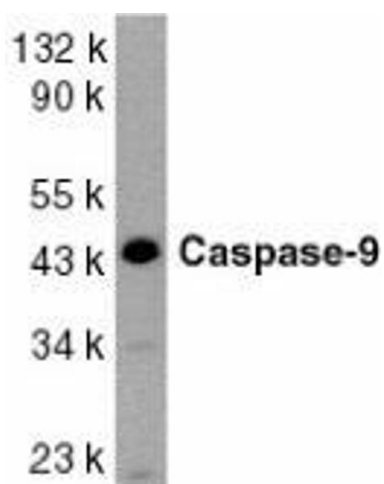
Storage Comment:

Store the antibody undiluted at 2-8 °C.



Immunofluorescence

Image 1. Immunocytochemistry staining of K562 cells using AP30206PU-N Caspase-9 antibody at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of caspase-9 in HeLa whole cell lysate with AP30206PU-N Caspase-9 antibody at 1/1000 dilution