OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AP00153PU-N Polyclonal Antibody to Caspase-9 - Aff - Purified

Alternate names: APAF-3, APAF3, Apoptotic protease Mch-6, Apoptotic protease-activating factor 3, CASP-9, CASP9, ICE-LAP6, ICE-like apoptotic protease 6, MCH6

Quantity: 0.1 mg

Concentration: 0.2 mg/ml

Background: Caspase-9 is one of the most important caspases among the caspase family members. Upon induction of apoptosis, cytochrome c released from mitochondria associates with procaspase- 9/Apaf-1. The complex processes procaspase-9 into a large subunit (35 kDa or 17 kDa) and small (10 kDa) by self-cleavage at D315. Activated caspase-9 further cleaves other caspase members including caspase-3, one of the proteases responsible for the proteolytic cleavage of many key proteins in apoptosis. In addition to self-cleavage, procaspase-9 can also be cleaved in vivo by caspase-3 at D330. The process served as a positive feedback to amplify the apoptotic signal in caspase activation pathway.

Uniprot ID: P55211

NCBI: NP_001220

GeneID: 842

Host: Rabbit

Immunogen: Synthetic peptide surrounding amino acid 345 of Mouse Caspase-9

Format: **State:** Liquid purified Ig fraction.
Purification: Protein A Chromatography.
Buffer System: PBS, pH 7.2, containing 30% Glycerol, 0.5% BSA and 0.01% Thimerosal.

Applications: Western Blot: 0.5-4.0 µg/ml.
Mouse small intestine and rat kidney tissue lysates can be used as Positive Controls.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: The antibody detects 45 kDa procaspase-9, 35/37 kDa cleaved large fragment and the 25 kDa fully cleaved Caspase-9.
Species: Mouse and Rat.
Other species not tested.

Storage: Store the antibody undiluted at -20°C or (in aliquots) at -70°C for long term storage.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:

Western blot analysis of Caspase-9 expression with mouse small intestine tissue lysate.