

Cat. No: AB-82859
Conjugate: Unconjugated
Size: 100 ug
Clone: POLY
Concentration: 1mg/ml
Host: Rabbit
Isotype: IgG
Immunogen: Recombinant protein of human Caspase-9
Reactivity: Ms, Rt, Hu

Applications: Western Blot: 1:500 - 1:2000
 Immunohistochemistry: 1:50 - 1:200
 Immunofluorescence: 1:50 - 1:100

Molecular Weight: 36kDa/46kDa

Purification: Affinity purification

Synonyms: CASP9;APAF-3;APAF3;ICE-LAP6;MCH6;PPP1R56;caspase-9;cas9;Caspase 9

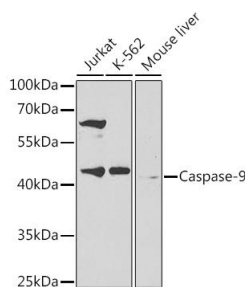
Background:

This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants.

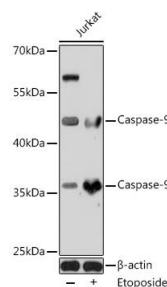
Form: Liquid

Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.4

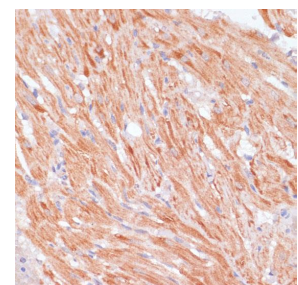
Storage: Store at -20°C, and avoid repeat freeze-thaw cycles.



Western blot analysis of extracts of various cell lines, using Caspase-9 antibody at 1:300 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.



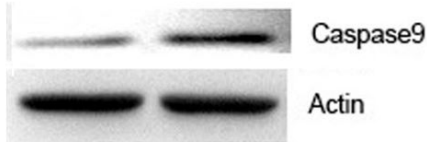
Western blot analysis of extracts of Jurkat cells, using Caspase-9 antibody at 1:1000 dilution. Jurkat cells were treated by Etoposide (25 uM) at 37°C for 5 hours.
 Secondary antibody: HRP Goat Anti-



Immunohistochemistry of paraffin embedded rat heart using Caspase-9 antibody at dilution of 1:100 (40x lens).

Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in
TBST.
Detection: ECL West Pico Plus.
Exposure time: 60s.

Rabbit IgG (H+L) (AS014) at 1:10000
dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in
TBST.
Detection: ECL West Pico Plus.
Exposure time: 30s.



Caspase-9 Rabbit pAb5

Experiment Type Western blot(WB)

References

Product:Caspase-9 Rabbit pAb
Journal:Biomarkers in medicine
Application:WB
IF:2.02

Species:Homo sapiens
PMID:27924630

Title:Gelsolin-like actin-capping protein is associated with patient prognosis, cellular apoptosis and proliferation in prostate cancer

References for Caspase-9 Rabbit pAb

Product:Caspase-9 Rabbit pAb
Journal:EMBO Molecular Medicine
Application:WB
IF:9.237

Species:Mus musculus
PMID:29335338

Title:CRTH2 promotes endoplasmic reticulum stress-induced cardiomyocyte apoptosis through m-calpain

References for Caspase-9 Rabbit pAb

Product:Caspase-9 Rabbit pAb
Journal:Journal of experimental & clinical cancer research : CR
Application:B
IF:6.21

Species:Homo sapiens
PMID:30111354

Title:Triptolide inhibits Epstein-Barr nuclear antigen 1 expression by increasing sensitivity of mitochondria apoptosis of nasopharyngeal carcinoma cells

References for Caspase-9 Rabbit pAb

Product:Caspase-9 Rabbit pAb
Journal:Apoptosis : an International Journal on Programmed Cell Death
Application:WB
IF:3.96 Species:

Homo sapiens
PMID:30284149

Title:Inhibition of the ubiquitination of HSF1 by FBXW7 protects the intestine against ischemia-reperfusion injury

References for Caspase-9 Rabbit pAb

Product:Caspase-9 Rabbit pAb

Journal:Biomed Research International

Application:WB

IF:2.19

Species:Homo sapiens

PMID:31687403

Title:Curcumin Inhibits Proliferation of Epstein-Barr Virus-Associated Human Nasopharyngeal Carcinoma Cells by Inhibiting EBV Nuclear Antigen 1 Expression

References for Caspase-9 Rabbit pAb

Product:Caspase-9 Rabbit pAb

Journal:Journal of Hazardous Materials

Application:WB

IF:7.65

Species:Homo sapiens

PMID:32200236

Title:Ambient particulate matter triggers dysfunction of subcellular structures and endothelial cell apoptosis through disruption of redox equilibrium and calcium homeostasis

References for Caspase-9 Rabbit pAb

Product:Caspase-9 Rabbit pAb

Journal:Redox Biology

Application:WB

IF:7.79

Species:Mus musculus

PMID:31926620

Title:Triggering apoptosis by oroxylin A through caspase-8 activation and p62/SQSTM1 proteolysis

References for Caspase-9 Rabbit pAb

Product:Caspase-9 Rabbit pAb

Journal:Phytomedicine

Application:B

IF:3.61

Species:Homo sapiens,Mus musculus

PMID:30668314

Title:Topotecan induces apoptosis via ASCT2 mediated oxidative stress in gastric cancer.

References for Caspase-9 Rabbit pAb

Product:Caspase-9 Rabbit pAb

Journal:Free radical biology & medicine

Application:WB

IF:5.65

Species:Homo sapiens,Mus musculus

PMID:31560953

Title:GL-V9 exerts anti-T cell malignancies effects via promoting lysosome-dependent AKT1 degradation and activating AKT1/FOXO3A/BIM axis.

References for Caspase-9 Rabbit pAb

Product:Caspase-9 Rabbit pAb

Journal:Acta Pharmacologica Sinica

Application:WB

IF:4.01

Species:Mus musculus

PMID:31316178

Title:LW-213, a newly synthesized flavonoid, induces G2/M phase arrest and apoptosis in chronic myeloid leukemia.

References for Caspase-9 Rabbit pAb

Product:Caspase-9 Rabbit pAb

Journal:International Journal of Molecular Sciences

Application:WB

IF:4.183

Species:Homo sapiens

PMID:31569691

Title:Xanthones from the Bark of Garcinia xanthochymus and the Mechanism of Induced Apoptosis in Human Hepatocellular Carcinoma HepG2 Cells via the Mitochondrial Pathway

References for Caspase-9 Rabbit pAb

Product:Caspase-9 Rabbit pAb

Journal:Frontiers in Cellular and Infection Microbiology

Application:WB

IF:3.518

Species:Homo sapiens

PMID:31921708

Title:Hepatitis E Virus Induces Brain Injury Probably Associated With Mitochondrial Apoptosis.

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