

Caspase 9 Polyclonal Antibody

Product Details	
Size	500 µL
Species Reactivity	Bovine, Human, Mouse, Sheep, Rat
Published Species	Rat, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein encoding aa 1-134 of human caspase 9
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10985523

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	3 Publications
Immunohistochemistry (IHC)	-	5 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:20	1 Publication
Immunoprecipitation (IP)	10 µg/mg protein lysate	-

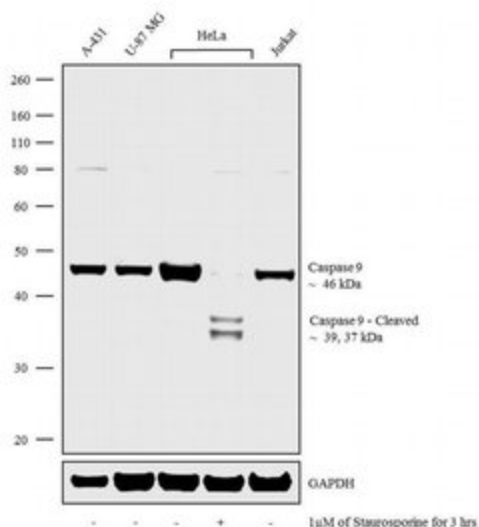
Product Specific Information

PA5-16358 targets Caspase 9 in immunohistochemistry (paraffin), immunoprecipitation, and Western blot applications and shows reactivity with Bovine, Human, mouse, Ovine, and Rat samples.

The PA5-16358 immunogen is recombinant protein encoding aa 1-134 of human caspase 9.

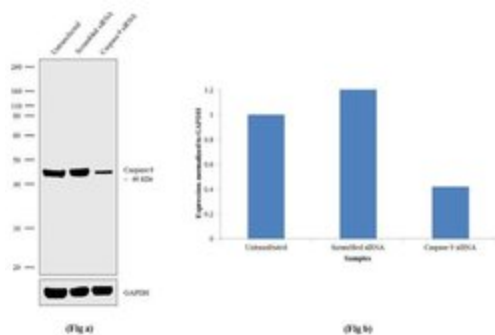
Caspase 9 Antibody (PA5-16358)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Western blot using Anti-Caspase 9 Polyclonal Antibody (Product # PA5-16358) shows cleaved Caspase 9 protein upon treatment with Staurosporine which is an inducer of apoptosis in HeLa cell line. Cell treatment validation info.



Caspase 9 Antibody (PA5-16358)

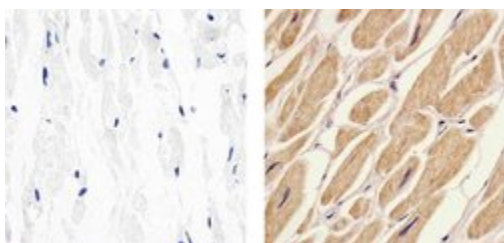
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with Caspase 9 siRNA and loss of signal was observed in Western Blot using Anti-Caspase 9 Polyclonal Antibody (Product # PA5-16358). Knockdown validation info.



Product Images For Caspase 9 Polyclonal Antibody

Caspase 9 Antibody (PA5-16358) in IHC (P)

Immunohistochemistry analysis of Caspase 9 showing staining in the cytoplasm of paraffin-embedded human heart tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Caspase 9 Rabbit Polyclonal Antibody (Product # PA5-16358) diluted in 3% BSA-PBS at a dilution of 1:20 for 1 hour at 37°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



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Western Blot (3)

International journal of ophthalmology

Parthenolide inhibits the proliferation and induces the apoptosis of human uveal melanoma cells.

"PA5-16358 was used in Western Blotting to deduce that human uveal melanoma cell proliferation can be inhibited and apoptosis induced by parthenolide through the arrest of G1 phase and regulation of the mitochondrial pathway."

Authors: Che ST, Bie L, Li X, Qi H, Yu P, Zuo L

Species
Human

Dilution
1:1000

Year
2020

Oncotarget

miR-181b as a therapeutic agent for chronic lymphocytic leukemia in the Eμ-TCL1 mouse model.

"PA5-16358 was used in western blot to utilize an E-mu-TCL1 mouse model to study miR-181b as a therapeutic agent for chronic lymphocytic leukemia"

Authors: Bresin A, Callegari E, D'Abundo L, Cattani C, Bassi C, Zagatti B, Narducci MG, Caprini E, Pekarsky Y, Croce CM, Sabbioni S, Russo G, Negrini M

Species
Not Applicable

Dilution
Not Cited

Year
2015

[View more WB references on thermofisher.com](#)

Immunohistochemistry (5)

Epilepsy research

Effect of valproic acid treatment on penile structure in prepubertal rats.

"PA5-16358 was used in immunohistochemistry to study the histological effects of valproic acid on the penis in prepubertal rats"

Authors: Kutlu O, Cansu A, Karagüzel E, Gürgeç SG, Koç O, Gür M, Özgür GK

Species
Rat

Dilution
Not Cited

Year
2012

Journal of oral pathology & medicine : official publication of the International Association of Oral Pathologists and the American Academy of Oral Pathology

Expression of Bak and Bak/Mcl-1 ratio can predict photodynamic therapy outcome for oral verrucous hyperplasia and leukoplakia.

"PA5-16358 was used in immunohistochemistry to study the utility of the immunohistochemical expression of Bak and Mcl1 in predicting the response of oral verrucous hyperplasia and leukoplakia to photodynamic therapy"

Authors: Yu CH, Chen HM, Lin HP, Chiang CP

Species
Human

Dilution
1:50

Year
2013

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IHC (P) (1)

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