Caspase 9 (Cleaved Asp315) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues surrounding Asp315 of human caspase-9
Form	Liquid
Concentration	6 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_10979038

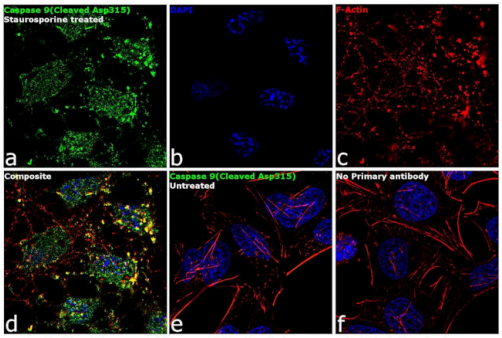
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	2 Publications
Immunocytochemistry (ICC/IF)	1:100	4 Publications
Immunoprecipitation (IP)	1:100	-

Product Specific Information

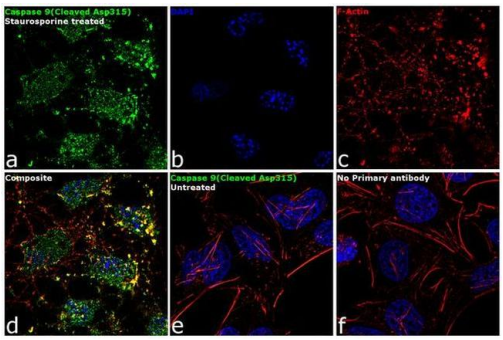
It is not recommended to aliquot this antibody.

This antibody was orginally validated as part of a Thermo Scientific Cellomics High Content Screening Kit. The antibody sold separately may have slightly different performance and may need to be further optimized for the best results.

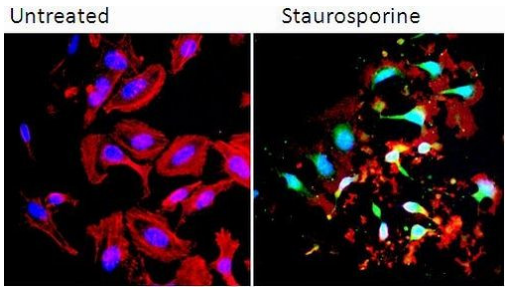
Product Images For Caspase 9 (Cleaved Asp315) Polyclonal Antibody



Caspase 9 (Cleaved Asp315) Antibody (PA5-17913) in ICC/IF
Immunofluorescence analysis of Caspase 9 (Cleaved Asp315) was performed using 70% confluent log phase HeLa cells treated with 1µM of Staurosporine for 3 hours. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Caspase 9 (Cleaved Asp315) Rabbit Polyclonal Antibody (Product # PA5-17913) at 1:100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1: 300). Panel d represents the merged image showing cytoplasmic and nuclear localization. Panel e shows untreated cells with no signal. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



Caspase 9 (Cleaved Asp315) Antibody (PA5-17913)
Altered expression of target protein upon cell treatment demonstrates antibody specificity. Immunofluorescence analysis of Caspase 9 (Cleaved Asp315) using Anti-Caspase 9 (Cleaved Asp315) Rabbit polyclonal Antibody (Product # PA5-17913) shows expression of Caspase 9 (Cleaved Asp315) in HeLa cell line upon Staurosporine treatment. {TM}



Caspase 9 (Cleaved Asp315) Antibody (PA5-17913) in ICC/IF
Immunofluorescent analysis of Cleaved Caspase-9 (green) in HeLa cells either left untreated (left lane) or treated with 1µM Staurosporine for 3 hours. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with a Cleaved Caspase-9 polyclonal antibody (Product # PA5-17913) at a dilution of 1:100 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488 goat anti-rabbit IgG secondary antibody (Product # 35552) at a dilution of 1:400 for 30 minutes at room temperature. F-Actin (red) was stained with Dylight 554 Phalloidin (Product # 21834) and nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan or a ToxInsight Instrument at 20X magnification.

View more figures on thermofisher.cn

6 References

Western Blot (2)

Molecular medicine reports

miR302d3p regulates the viability, migration and apoptosis of breast cancer cells through regulating the TMBIM6mediated ERK signaling pathway.

"Published figure using Caspase 9 (Cleaved Asp315) polyclonal antibody (Product # PA5-17913) in Western Blot"

Authors: Liao Y,Qiu Z,Bai L

Year 2021

Species Human

Dilution 1:1000

Oncotarget

Inhibition of the prolyl isomerase Pin1 enhances the ability of sorafenib to induce cell death and inhibit tumor growth in hepatocellular carcinoma.

"Published figure using Caspase 9 (Cleaved Asp315) polyclonal antibody (Product # PA5-17913) in Western Blot"

Authors: Zheng M,Xu H,Liao XH,Chen CP,Zhang AL,Lu W,Wang L,Yang D,Wang J,Liu H,Zhou XZ,Lu KP

Year 2017

Immunocytochemistry (4)

Scientific reports

Purine nucleoside phosphorylase deficiency induces p53-mediated intrinsic apoptosis in human induced pluripotent stem cell-derived neurons.

"PA5-17913 was used in Immunocytochemistry-immunoflourescence to establish a potential mechanism for the neurological defects observed in PNP-deficient patients and reinforce the critical role that PNP has for neuronal viability."

Authors: Tsui M,Biro J,Chan J,Min W,Dobbs K,Notarangelo LD,Grunebaum E

Year 2022

Species Human

Marine drugs

Stingray Venom Proteins: Mechanisms of Action Revealed Using a Novel Network Pharmacology Approach.

"PA5-17913 was used in Immunocytochemistry to develop a novel network pharmacology approach based on multi-omics functional data integration to predict how stingray venom disrupts the physiological systems of target animals."

Authors: Kirchhoff KN,Billion A,Voolstra CR,Kremb S,Wilke T,Vilcinskas A

Year 2021

Species Human

View more ICC/IF references on thermofisher.cn

More applications with references on thermofisher.cn

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