Caspase 3 Monoclonal Antibody (4-1-18)

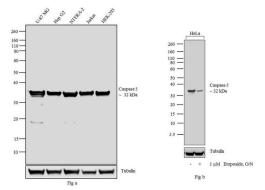
Product Details

Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Туре	Antibody
Clone	4-1-18
Conjugate	Unconjugated
Immunogen	Full length, recombinant human caspase 3 protein
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C
RRID	AB_2533197

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 μg/mL	3 Publications
Immunohistochemistry (IHC)	1-2 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications

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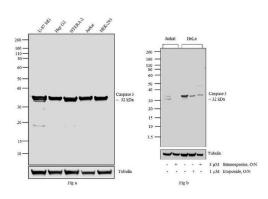
Product Images For Caspase 3 Monoclonal Antibody (4-1-18)



Caspase 3 Antibody (35-1600Z)

Altered expression of protein upon cell treatment demonstrates antibody specificity. Western blot of Caspase-3 using Anti-Caspase 3 Mouse Monoclonal Antibody (Product# 35-1600Z) shows increased expression of Caspase 3 in HeLa upon Etoposide treatment. {TM}

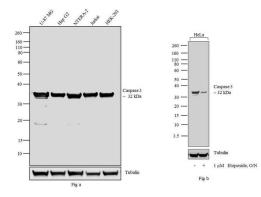
Caspase 3 Antibody (35-1600Z) in WB



Western blot analysis of Caspase-3 was performed by loading 20 µg of U-87 MG (lane 1), Hep G2 (lane 2), Ntera-2 (lane 3), Jurkat (lane 4) and HEK-293 (lane 5) (Fig. A) and Jurkat (lane 1), Jurkat treated for O/N with 3 uM of Staurosporine (lane 2), HeLa (lane 3), HeLa treated for O/N with 1 uM of Etoposide (lane 4) and HeLa treated for O/N with 3 uM of Staurosporine in (lane 5) (Fig. B) cell lysates using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX), XCell SureLock™ Electrophoresis System (Product # El0002), Novex® Sharp Pre-Stained Protein Standard (LC5800), and iBlot® Dry Blotting System (IB21001). Proteins were transferred to a nitrocellulose membrane and blocked with 5 % skim milk for 1 hour at room temperature. Caspase-3 was detected at ~32 kDa using Caspase-3 Mouse Monoclonal Antibody (Product # 35-1600Z) at 1-2 µg /mL in 5 % skim milk at 4°C overnight on a rocking platform. Goat Anti-Mouse -HRP Secondary Antibody (Product # 62-6520) at 1:4000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106). (Fig. B) Upon treatment with Staurosporine /Etoposide there was a reduction in total Caspase-3.

Caspase 3 Antibody (35-1600Z) in WB

Western blot analysis of Caspase-3 was performed by loading 20 µg of whole cell lysates ofU-87 MG (lane 1), Hep G2 (lane 2), Ntera-2 (lane 3), Jurkat (lane 4) and HEK-293 (lane 5) (Fig. a) and HeLa (lane 1), HeLa treated for O/N with 1 uM of Etoposide (lane 2) (Fig. b) using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX), XCell SureLock™ Electrophoresis System (Product # El0002), Novex® Sharp Pre-Stained Protein Standard (LC5800), and iBlot® Dry Blotting System (Product # IB21001). Proteins were transferred to a nitrocellulose membrane and blocked with 5 % skim milk for 1 hour at room temperature. Caspase-3 was detected at ~32 kDa using Caspase-3 Mouse Monoclonal Antibody (Product # 35-1600Z) at 1-2 µg/mL in 5 % skim milk at 4°C overnight on a rocking platform. Goat Anti-Mouse - HRP Secondary Antibody (Product # 62-6520) at 1:4000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106). (Fig. B) Upon treatment with Staurosporine/Etoposide there was a reduction in total Caspase-3.



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5 References

Western Blot (3)

neelegy reports	Veer
n vitro cytotoxicity of 4'-OH-tamoxifen and estradiol in human	Year 2015
ndometrial adenocarcinoma cells HEC-1A and HEC-1B.	Species
35-1600Z was used in western blot to assess the effects of 4'-hydroxy-tamoxifen and estradiol on two human ndometrial adenocarcinoma cell lines."	Human
uthors: Cuevas ME,Lindeman TE	2 µg/ml
uropean journal of clinical investigation	Year
he effect of Longan seed polyphenols on colorectal carcinoma cells.	2010
uthors: Chung YC,Lin CC,Chou CC,Hsu CP	Species Human

View more WB references on thermofisher.com

Immunohistochemistry (Paraffin) (2)

Oncology letters Cytokeratin and protein expression patterns in squamous cell carcinoma of the oral cavity provide evidence for two distinct pathogenetic pathways.	Year 2016 Dilution 1:100
"35-1600Z was used in immunohistochemistry - paraffin section to investigate evidence for two distinct pathogenetic pathways by studing the squamous cell carcinoma of the oral cavity and cytokeratin and protein expression patterns" Authors: Frohwitter G,Buerger H,VAN Diest PJ,Korsching E,Kleinheinz J,Fillies T	
Autoimmune diseases	Year
The caspase pathway as a possible therapeutic target in experimental pemphigus.	2011
"35-1600Z was used in immunohistochemistry - paraffin section to test if blockade of the caspase pathway prevents	Dilution 1:20
blistering caused by pemphigus autoantibodies"	

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