

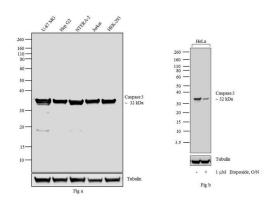


# **Caspase 3 Monoclonal Antibody (4-1-18)**

<b>Product Details</b>	
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

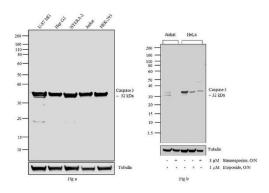
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 μg/mL	3 Publications
Immunohistochemistry (IHC)	1-2 μg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications

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



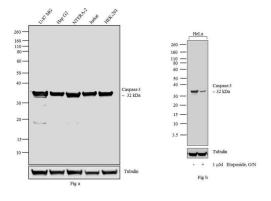
### Caspase 3 Antibody (35-1600Z)

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 ug 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.

#### **□ 5 References**

## Western Blot (3)

#### **Oncology reports**

In vitro cytotoxicity of 4'-OH-tamoxifen and estradiol in human endometrial adenocarcinoma cells HEC-1A and HEC-1B.

"35-1600Z was used in western blot to assess the effects of 4'-hydroxy-tamoxifen and estradiol on two human endometrial adenocarcinoma cell lines."

Authors: Cuevas ME, Lindeman TE

**Year** 2015

Species Human

Dilution 2 µg/ml

#### European journal of clinical investigation

The effect of Longan seed polyphenols on colorectal carcinoma cells.

Authors: Chung YC,Lin CC,Chou CC,Hsu CP

**Year** 2010

Species Human

View more WB references on thermofisher.cn

## 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.

"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

**Year** 2016

Dilution 1:100

#### Autoimmune diseases

The caspase pathway as a possible therapeutic target in experimental pemphigus.

"35-1600Z was used in immunohistochemistry - paraffin section to test if blockade of the caspase pathway prevents blistering caused by pemphigus autoantibodies"

Authors: Pacheco-Tovar D,López-Luna A,Herrera-Esparza R,Avalos-Díaz E

**Year** 2011

Dilution 1:20

## More applications with references on thermofisher.cn

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