

# Caspase 3 Monoclonal Antibody (3CSP01 (7.1.44))

Product Details	
Size	500 µL
Species Reactivity	Human
Published Species	Rabbit, Rat, Human, Lizard
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	3CSP01 (7.1.44)
Conjugate	Unconjugated
Immunogen	Recombinant full length human Caspase 3 protein
Form	Liquid
Concentration	0.8 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_10983525

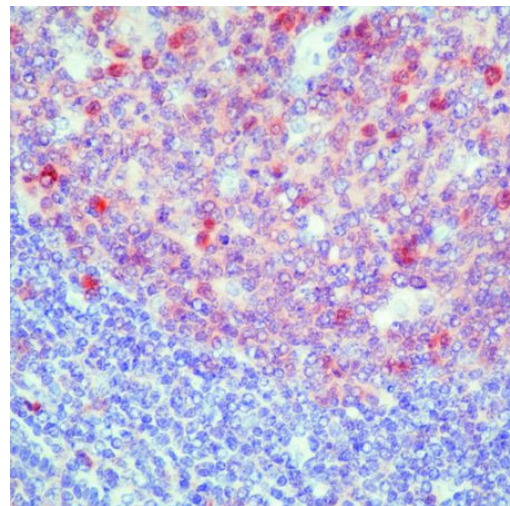
Applications	Tested Dilution	Publications
Western Blot (WB)	1:25-1:50	1 Publication
Immunohistochemistry (IHC)	-	11 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100	-
Immunocytochemistry (ICC/IF)	-	3 Publications
Immunoprecipitation (IP)	1:25-1:50	-

## Product Specific Information

MA5-11516 targets Caspase 3 in immunohistochemistry (paraffin), immunoprecipitation, and Western blot applications and shows reactivity with Human samples.

The MA5-11516 immunogen is recombinant full length human Caspase 3 protein.

Product Images For Caspase 3 Monoclonal Antibody (3CSP01 (7.1.44))

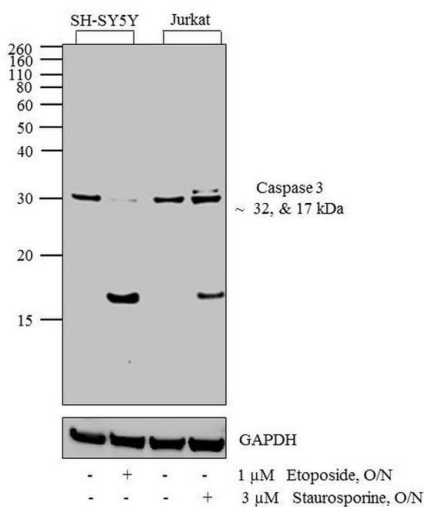


Caspase 3 Antibody (MA5-11516) in IHC (P)

Formalin-fixed, paraffin-embedded human tonsil stained with Caspase 3 antibody using peroxidase-conjugate and AEC chromogen. Note cytoplasmic and nuclear staining of lymphoid cells.

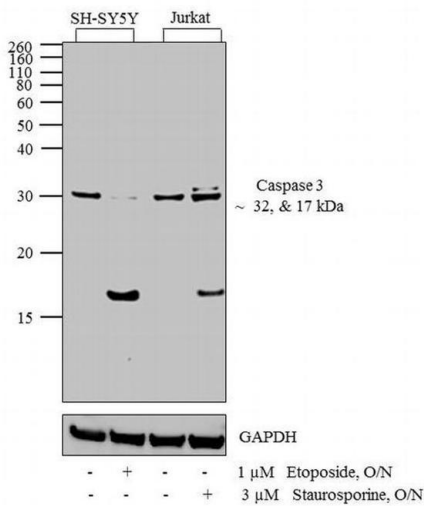
Caspase 3 Antibody (MA5-11516)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot of Caspase3 using anti -caspase3 mouse monoclonal antibody (catalog# MA5-11516), shows expression of cleaved Caspase3 upon treatment of SH-SY5Y and Jurkat cells with Etoposide and Staurosporine respectively. {TM}



Caspase 3 Antibody (MA5-11516) in WB

Western blot analysis was performed on whole cell extracts (30 μg lysate) of SH-SY5Y (Lane 1), SH-SY5Y treated for overnight with 1 μM of Etoposide (Lane 2), Jurkat (lane 3) and Jurkat treated for overnight with 3 μM of Staurosporine (lane 4). The blots were probed with Anti-Caspase 3 Mouse Monoclonal Antibody (Product # MA5-11516, 1:25-1:50 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 62-6520, 1:4000 dilution). A 32 kDa band corresponding to Caspase 3 was observed along with a 17 kDa band in treated lysates corresponding to cleaved Caspase 3. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



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## Western Blot (1)

Asian Pacific journal of cancer prevention : APJCP

### Baicalin induces apoptosis in leukemia HL-60/ADR cells via possible down-regulation of the PI3K/Akt signaling pathway.

"MA5-11516 was used in western blot to study the role of the PI3 kinase-Akt signaling pathway in the mechanism by which baicalin induces apoptosis in drug-resistant human myeloid leukemia cells"

Authors: Zheng J,Hu JD,Chen YY,Chen BY,Huang Y,Zheng ZH,Liu TB

Year  
2013

Species  
Human

Dilution  
1:100

## Immunohistochemistry (11)

Oxidative medicine and cellular longevity

### The Ameliorative Role of Eugenol against Silver Nanoparticles-Induced Hepatotoxicity in Male Wistar Rats.

"Published figure using Caspase 3 monoclonal antibody (Product # MA5-11516) in Immunohistochemistry"

Authors: Yousef HN,Ibraheim SS,Ramadan RA,Aboelwafa HR

Year  
2022

Frontiers in pharmacology

### Therapeutic Potentials of Selected Antihypertensive Agents and Their Fixed-Dose Combinations Against Trastuzumab-Mediated Cardiotoxicity.

"Published figure using Caspase 3 monoclonal antibody (Product # MA5-11516) in Immunohistochemistry"

Authors: Olorundare OE,Adeneye AA,Akinsola AO,Ajayi AM,Agede OA,Soyemi SS,Mgbehoma AI,Okoye II,Albrecht RM,Ntambi JM,Crooks PA

Year  
2021

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

## Immunocytochemistry (3)

International journal of molecular sciences

### Human Islet Microtissues as an In Vitro and an In Vivo Model System for Diabetes.

"Published figure using Caspase 3 monoclonal antibody (Product # MA5-11516) in Immunocytochemistry"

Authors: Mir-Coll J,Moede T,Paschen M,Neelakandhan A,Valladolid-Acebes I,Leibiger B,Biernath A,Ämmälä C,Leibiger IB,Yesildag B,Berggren PO

Year  
2021

Species  
Human

Dilution  
1:150

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