

Basic Information

Product Name	Anti-Caspase 3/CASP3 (p17) Antibody (Clone#AOE-3)	
Gene Name	CASP3	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, rat	
Tested Application	WB, IHC, ICC/IF, IP, FCM	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human Caspase-3	
Concentration	500ug/ml	
Purification	Affinity-chromatography	
Observed MW	35 kDa,(cleaved)20/17/12 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:50
	Flow Cytometry (FCM):	1:50

Storage

12 months from date of receipt, -20°C as supplied.

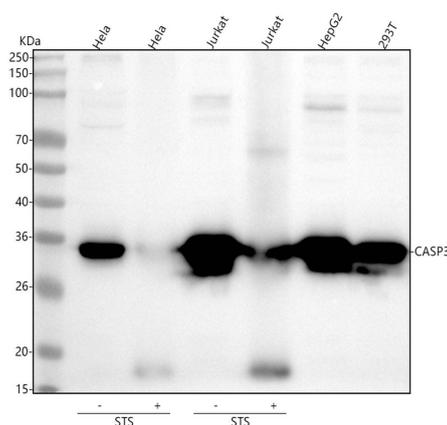
Background Information

Caspase-3 (CPP-32, Apoptain, Yama, SCA-1) is a critical executioner of apoptosis, as it is either partially or totally responsible for the proteolytic cleavage of many key proteins such as the nuclear enzyme poly(ADP-ribose) polymerase (PARP). Activation of caspase-3 requires proteolytic processing of its inactive zymogen into activated p17 and p12 fragments. Cleavage of caspase-3 requires aspartic acid at the P1 position.

Reference

Anti-Caspase 3/CASP3 (p17) Antibody (Clone#AOE-3)被引用在26文献中。

Selected Validation Data



Western blot analysis of anti-Caspase 3/CASP3 antibody (BM3957).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HeLa whole cell lysates,

Lane 2: human HeLa whole cell lysates,

Lane 3: human Jurkat whole cell lysates,

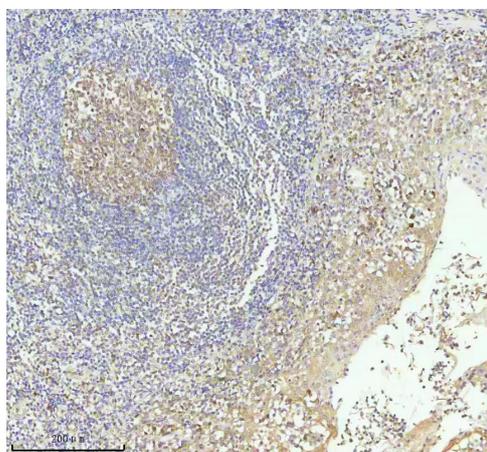
Lane 4: human Jurkat whole cell lysates,

Lane 5: human HepG2 whole cell lysates,

Lane 6: human 293T whole cell lysates.

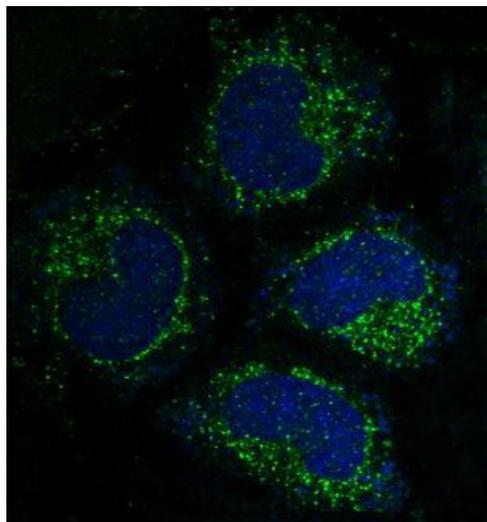
After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-Caspase 3/CASP3 antigen affinity purified monoclonal antibody (BM3957) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Caspase 3/CASP3 at approximately 32 kDa. The expected band size for Caspase 3/CASP3 is at 32 kDa.

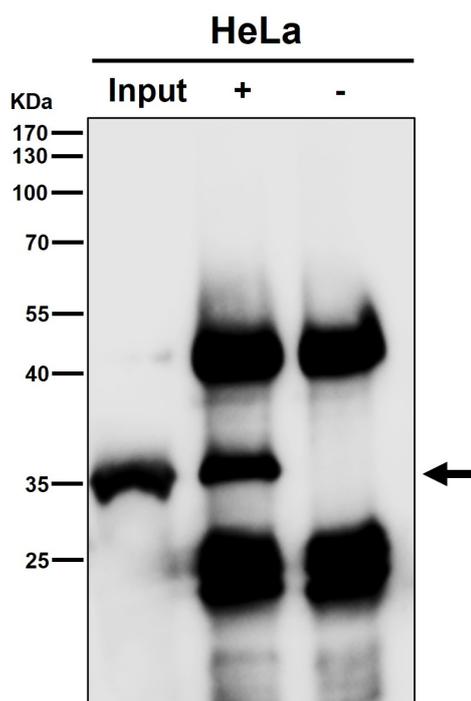


IHC analysis of Caspase 3/CASP3 using anti-Caspase 3/CASP3 antibody (BM3957) .

Caspase 3/CASP3 was detected in a paraffin-embedded section of human tonsil tissue. The tissue section was incubated with rabbit anti-Caspase 3/CASP3 Antibody (BM3957) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.



Immunofluorescent analysis of HeLa cells, using Caspase-3 Antibody .



Immunoprecipitate (IP) analysis using the Antibody. (wb)