

Active/Pro-Caspase 3 Monoclonal Antibody (31A1067)

Product Details	
Size	100 µg
Species Reactivity	Hamster, Human, Mouse, Pig, Rat
Published Species	Rat, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	31A1067
Conjugate	Unconjugated
Immunogen	Full-length recombinant human caspase-3 protein was used as immunogen. The antibody recognizes an epitope in the large domain subunit of Caspase-3. As such it will recognize pro Caspase-3 and the large subunit cleavage fragment.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_1954999

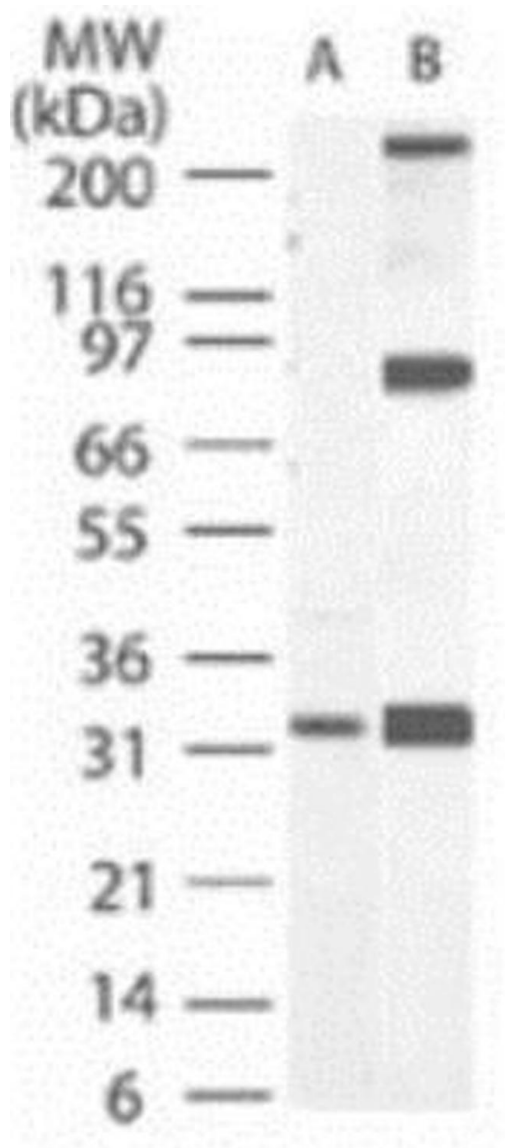
Applications	Tested Dilution	Publications
Western Blot (WB)	1-5 µg/mL	8 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:500	-
Immunohistochemistry (Frozen) (IHC (F))	1:10-1:500	1 Publication
Immunocytochemistry (ICC/IF)	Assay-dependent	-
Flow Cytometry (Flow)	Assay-dependent	-
Immunomicroscopy (IM)	Assay-dependent	-

Product Specific Information

Predicted molecular weight: 31kDa.

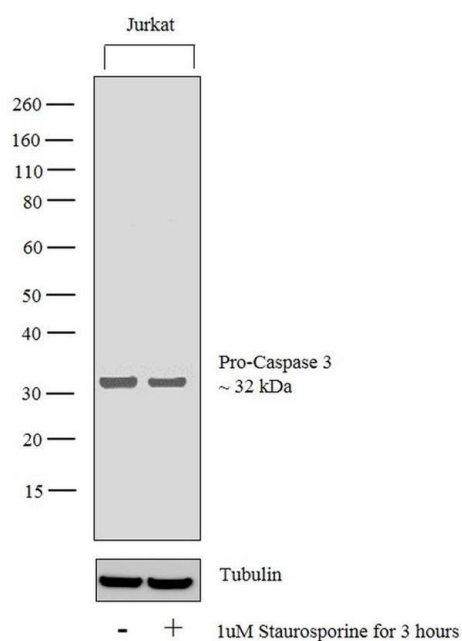
Positive Control: Staurosporine-treated HeLa or Jurkat cell lysate.

Product Images For Active/Pro-Caspase 3 Monoclonal Antibody (31A1067)



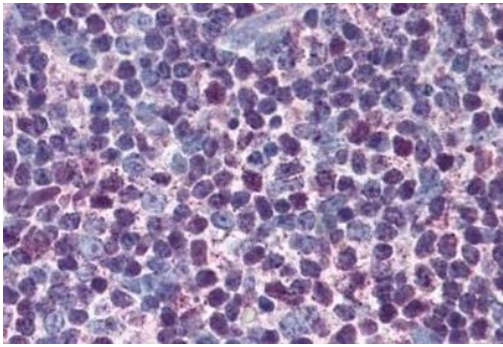
Active/Pro-Caspase 3 Antibody (MA1-91637) in WB

Western Blot analysis of (A) RAW264.7 and (B) NIH-3T3 cell lysate using Active/Pro-Caspase 3 Monoclonal Antibody (31A1067) (Product # MA1-91637). Dilution: 32 µg/mL.



Active/Pro-Caspase 3 Antibody (MA1-91637)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Western blot analysis of Caspase 3 using Caspase 3 (active/pro) Monoclonal Antibody (31A1067) (Product # MA1-91637) shows a reduction in Pro-Caspase 3 in Jurkat cell line upon Staurosporine treatment. {TM}



Active/Pro-Caspase 3 Antibody (MA1-91637) in IHC (P)
Immunohistochemistry (Paraffin) analysis of Caspase 3 (active/pro) in human thymus tissue using Caspase 3 (active/pro) Monoclonal Antibody (31A1067) (Product # MA1-91637) at a dilution of 5 µg/mL. Antigen retrieval : Heat-induced antigen retrieval.

[View more figures on thermofisher.com](#)

9 References

Western Blot (8)

<p>Journal of biochemical and molecular toxicology</p> <p>The protective effects of propofol against renal ischemia-reperfusion injury are potentiated by norisoboldine treatment via inhibition of oxidative stress pathways.</p> <p>"MA1-91637 was used in Western Blotting to suggest that treatment with NOR potentiated the nephroprotective effects of propofol in rats with I/R-induced renal injury by ameliorating oxidative stress and apoptosis pathway."</p> <p>Authors: Xing D,Li Q,Lin G,Lin H,Kang W,Zhang M,Ding R,Li N</p>	<p>Year 2022</p> <p>Species Rat</p> <p>Dilution 1:1000</p>
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<p>Investigative ophthalmology & visual science</p> <p>Mitotic Activation Around Wound Edges and Epithelialization Repair in UVB-Induced Capsular Cataracts.</p> <p>"Published figure using Active/Pro-Caspase 3 monoclonal antibody (Product # MA1-91637) in Western Blot"</p> <p>Authors: Wei Z,Hao C,Srinivasagan R,Wu H,Chen JK,Fan X</p>	<p>Year 2021</p> <p>Species Mouse</p> <p>Dilution 1:200</p>
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[View more WB references on thermofisher.com](#)

Immunohistochemistry (Frozen) (1)

<p>Investigative ophthalmology & visual science</p> <p>Mitotic Activation Around Wound Edges and Epithelialization Repair in UVB-Induced Capsular Cataracts.</p> <p>"Published figure using Active/Pro-Caspase 3 monoclonal antibody (Product # MA1-91637) in Western Blot"</p> <p>Authors: Wei Z,Hao C,Srinivasagan R,Wu H,Chen JK,Fan X</p>	<p>Year 2021</p> <p>Species Mouse</p> <p>Dilution 1:200</p>
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