

Product Name: pro Caspase 7 (10O2) Rabbit Monoclonal Antibody
Catalog #: AMRe16509

Summary

Production Name	pro Caspase 7 (10O2) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	CASP7
Alternative Names	apoptosis-related cysteine peptidase; Apoptotic protease Mch-3; CASP-7; Caspase-7 subunit p11; CMH-1; ICE-LAP3; ICE-like apoptotic protease 3;
Gene ID	840.0
SwissProt ID	P55210.

Application

Dilution Ratio	WB 1:500-1:1000
Molecular Weight	34kDa

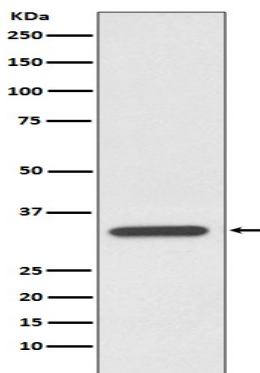
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Background

Belongs to the peptidase C14A family. Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp--Gly-217' bond. Overexpression promotes programmed cell death. Involved in the activation cascade of caspases responsible for apoptosis execution (PubMed:[8521391](http://www.uniprot.org/citations/8521391), PubMed:[8576161](http://www.uniprot.org/citations/8576161), PubMed:[8567622](http://www.uniprot.org/citations/8567622), PubMed:[9070923](http://www.uniprot.org/citations/9070923), PubMed:[11701129](http://www.uniprot.org/citations/11701129)). Cleaves and activates sterol regulatory element binding proteins (SREBPs) (PubMed:[8521391](http://www.uniprot.org/citations/8521391), PubMed:[8576161](http://www.uniprot.org/citations/8576161), PubMed:[8567622](http://www.uniprot.org/citations/8567622), PubMed:[9070923](http://www.uniprot.org/citations/9070923)). Proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp-|Gly-217' bond. Overexpression promotes programmed cell death (PubMed:[8521391](http://www.uniprot.org/citations/8521391), PubMed:[8576161](http://www.uniprot.org/citations/8576161), PubMed:[8567622](http://www.uniprot.org/citations/8567622), PubMed:[9070923](http://www.uniprot.org/citations/9070923)). Cleaves phospholipid scramblase proteins XKR4, XKR8 and XKR9 (By similarity).

Research Area

Image Data



Western blot analysis of pro Caspase 7 expression in Jurkat cell lysate.



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Note

For research use only.