

## Product datasheet for **SP2148P**

### Caspase-7 (CASP7) (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1.0-2.0 µg/ml. <b>Immunohistochemistry on Paraffin Sections:</b> 2.0 µg/ml. This product <b>does not</b> require protein digestion pre-treatment of paraffin sections eg. Trypsin or pronase prior to staining. This product <b>does not</b> require antigen retrieval using heat treatment prior to staining of paraffin sections. <i>Recommended Positive Control:</i> Skeletal muscle tissue.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A 16 amino acid peptide from Human Caspase-7 carboxy-terminus
Specificity:	This antibody recognises an epitope within the C-terminal region (CT) of Caspase-7, a 35kDa cysteine protease, otherwise known as ICE-like Apoptotic Protease 3 (ICE-LAP3) Caspase-7.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	caspase 7



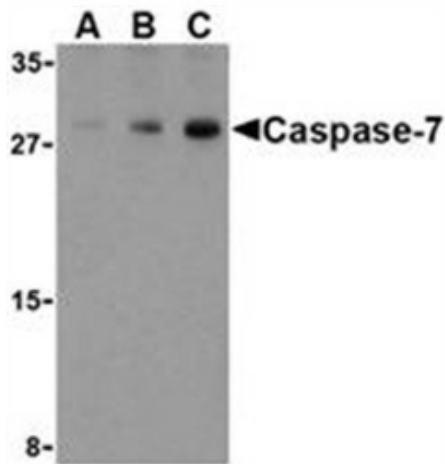
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Database Link: [Entrez Gene 840 Human P55210](#)

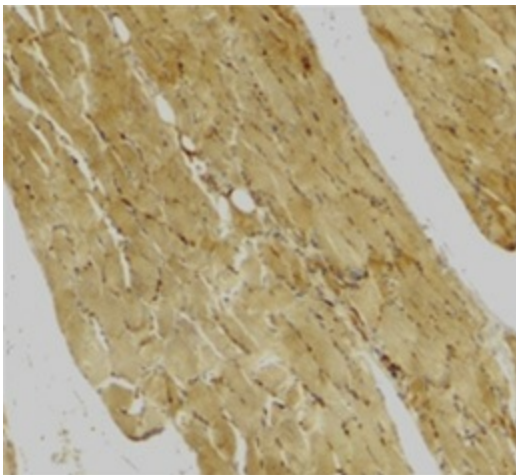
**Background:** ICE-LAP3 is a member of the ICE/Ced-3 subfamily, is an executioner caspase which undergoes proteolytic cleavage of its precursor to form active p12 and p20 subunits. Evidence that activation of Caspase-7 occurs during cell death induced by the cytokine death receptors Fas/APO-1 and the receptor of tumour necrosis factor (TNFR-1), coupled with the fact that granzyme-B activated Caspase-7 cleaves the nuclear enzyme poly (ADPribose) polymerase (PARP), suggests an important role for Caspase-7 in both cytokine-mediated and Granzyme-B mediated apoptosis pathways.

**Synonyms:** CASP-7, CASP7, MCH3, CMH-1

### Product images:



Western blot analysis of human skeletal muscle probed with Rabbit anti Human caspase-7 at 0.5 (A), 1 (B) and 2 (C) ug/ml



Immunohistochemical staining of human skeletal muscle with Rabbit anti Human caspase-7