

Product datasheet for **AP22940PU-N**

Caspase-7 (CASP7) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 0.5 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	CASP7 antibody was raised against synthetic peptide - KLH conjugated
Specificity:	This antibody reacts to Caspase 7 (CASP7).
Formulation:	PBS containing 0.02% sodium azide. State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C to -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	caspase 7
Database Link:	Entrez Gene 12369 Mouse Entrez Gene 64026 Rat Entrez Gene 840 Human P55210



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Background:

Caspases are a family of cysteine proteases that can be divided into the apoptotic and inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens. The apoptotic subfamily can be further divided into initiator caspases, which are activated in response to death signals, and executioner caspases, which are activated by the initiator caspases and are responsible for cleavage of cellular substrates that ultimately lead to cell death. Caspase-7 is an executioner caspase that was identified based on its homology with caspases 1 and 3, as well as the *C. elegans* cell death protein CED-3. Alternative splicing of Caspase-7 mRNA results in the production of 3 distinct isoforms. Caspase-7 activity can be directly inhibited by XIAP expression.

Synonyms:

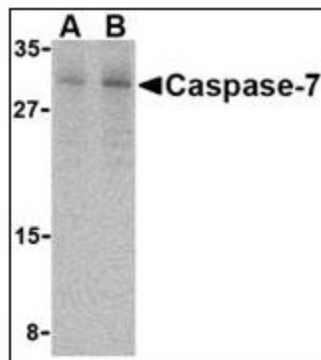
CASP-7, CASP7, MCH3, CMH-1

Protein Families:

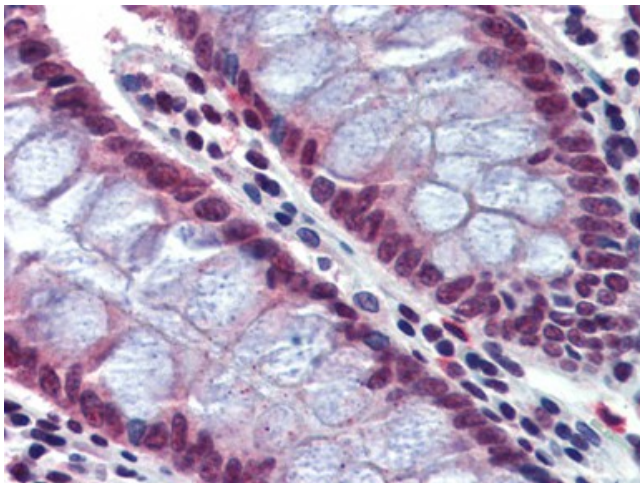
Druggable Genome, Protease

Protein Pathways:

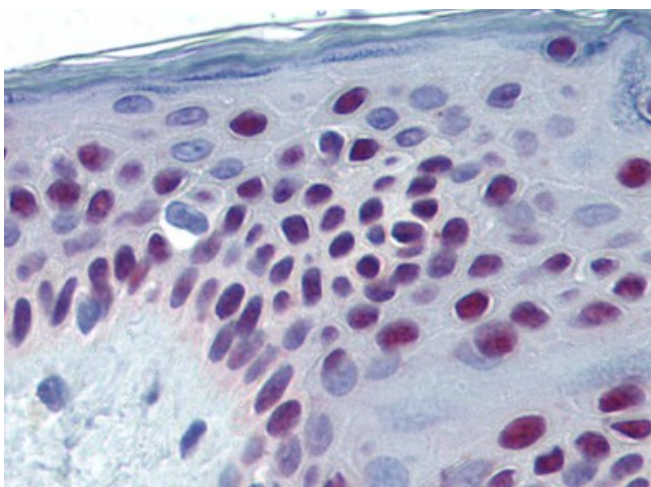
Alzheimer's disease, Apoptosis

Product images:

Western blot analysis of caspase-7 in human skeletal muscle cell lysate with caspase-7 antibody at (A) 0.5 and (B) 1 ug/ml.



Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Skin: Formalin-Fixed, Paraffin-Embedded (FFPE)