OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP22941PU-N

Caspase 8 (CASP8) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**Immunocytochemistry**. **Immunohistochemistry on Paraffin Sections:** 5 µg/ml. **Western Blot:** 0.5 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	CASP8 antibody was raised against synthetic peptide - KLH conjugated
Specificity:	This antibody reacts to Caspase 8 (CASP8).
Formulation:	PBS containing 0.02% sodium azide as preservative 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 8
Database Link:	Entrez Gene 12370 Mouse Entrez Gene 64044 Rat Entrez Gene 841 Human Q14790

View online »

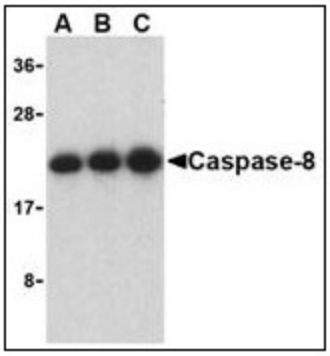
Background: Caspases are a family of cysteine proteases that can be divided into the apoptotic and inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens. 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-8 is an initiator caspase that was identified as a member of the Fas/APO-1 death-inducing signaling complex. The adaptor molecule FADD couples procaspase-8 to the Fas receptor death domain; subsequent oligomerization promotes procaspase-8 autoactivation. FLIP, a catalytically inactive caspase-8-like molecule inhibits these interactions and thus can inhibit apoptosis.

Synonyms: CASP-8, CASP8, MCH5, CAP4

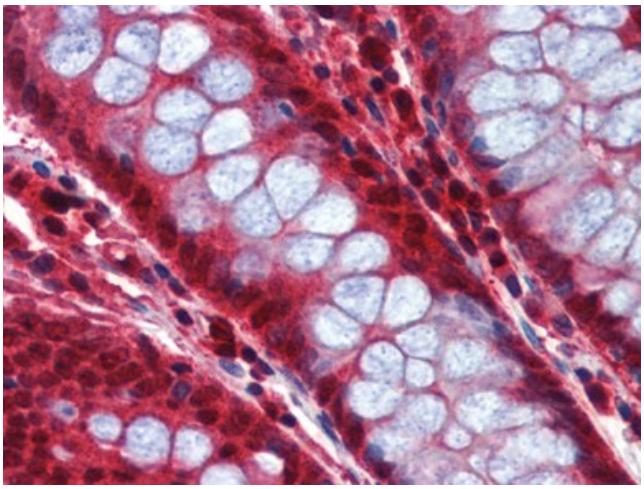
Protein Families: Druggable Genome, Protease

Protein Pathways: Alzheimer's disease, Apoptosis, Huntington's disease, NOD-like receptor signaling pathway, p53 signaling pathway, Pathways in cancer, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway, Viral myocarditis

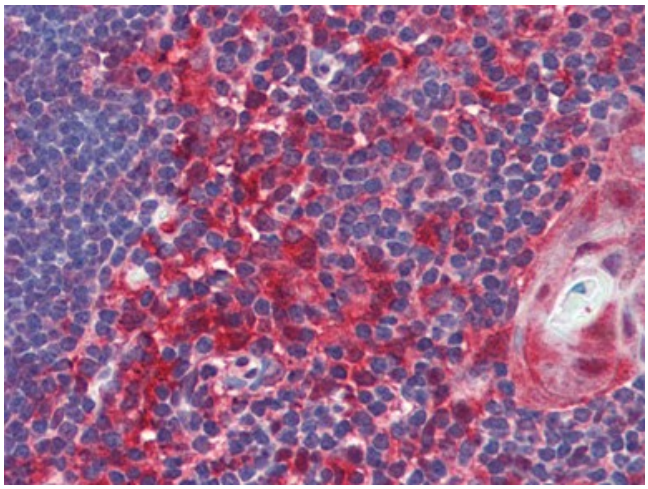
Product images:



Western blot analysis of caspase-8 in Jurkat cell lysate with caspase-8 antibody at (A) 0.5, (B) 1, and (C) 2 ug/ml.



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



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

Immunocytochemistry of caspase-8 in Jurkat cells with caspase-8 antibody at 2 ug/ml.