

## Product datasheet for **AM06689SU-N**

### Caspase 8 (CASP8) Mouse Monoclonal Antibody [Clone ID: 1H11]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1H11
Applications:	ELISA, FC, IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>Immunohistochemistry on paraffin sections</b> 1/200 - 1/1000. <b>Flow cytometry:</b> 1/200 - 1/400. <b>ELISA:</b> 1/10000.
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human CASP8 expressed in E. Coli.
Specificity:	This antibody reacts to CASP8.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Predicted Protein Size:	26 kDa
Gene Name:	caspase 8
Database Link:	<a href="#">Entrez Gene 841 Human Q14790</a>



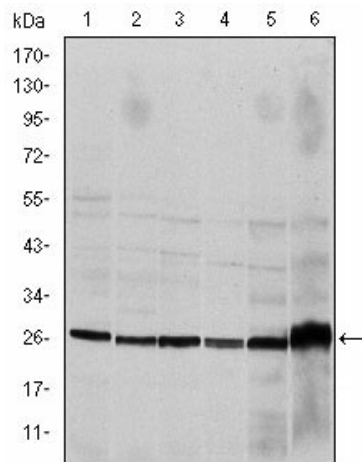
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**Background:**

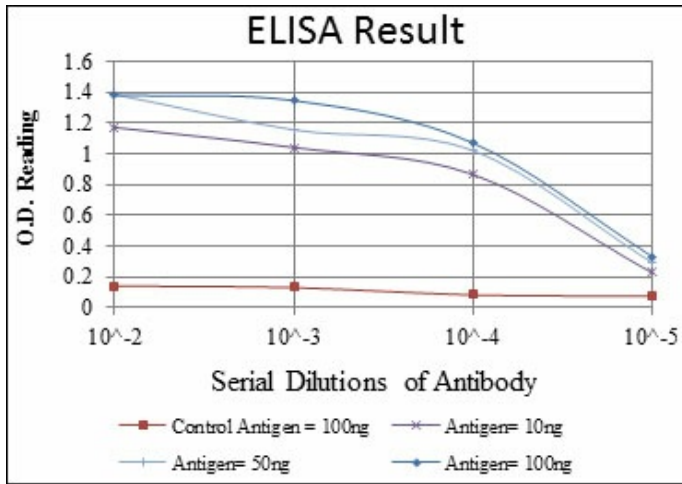
This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes composed of a prodomain, a large protease subunit, and a small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This protein is involved in the programmed cell death induced by Fas and various apoptotic stimuli. The N-terminal FADD-like death effector domain of this protein suggests that it may interact with Fas-interacting protein FADD. This protein was detected in the insoluble fraction of the affected brain region from Huntington disease patients but not in those from normal controls, which implicated the role in neurodegenerative diseases. Many alternatively spliced transcript variants encoding different isoforms have been described, although not all variants have had their full-length sequences determined.

**Synonyms:**

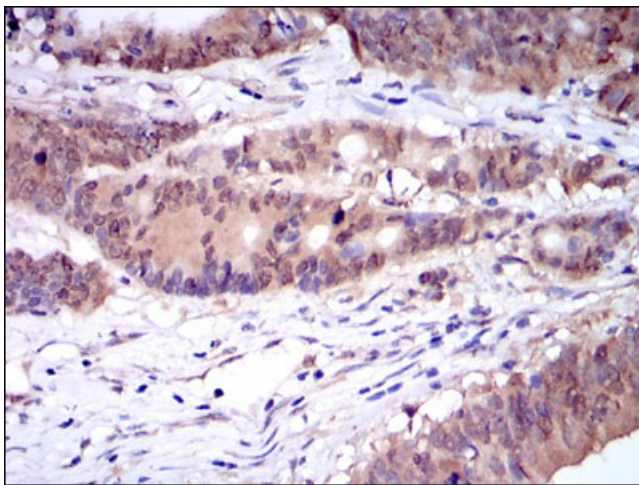
CASP-8, CASP8, MCH5, CAP4

**Product images:**

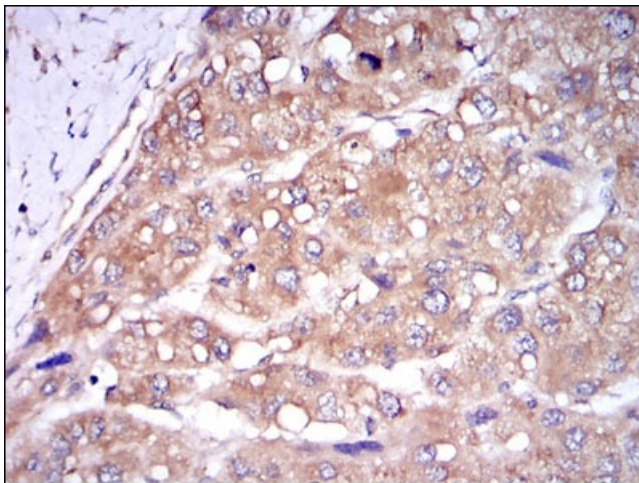
Western blot analysis using CASP8 mouse mAb against Hela (1), Jurkat (2), THP-1 (3), NIH/3T3 (4), Cos7 (5) and PC-12 (6) cell lysate.



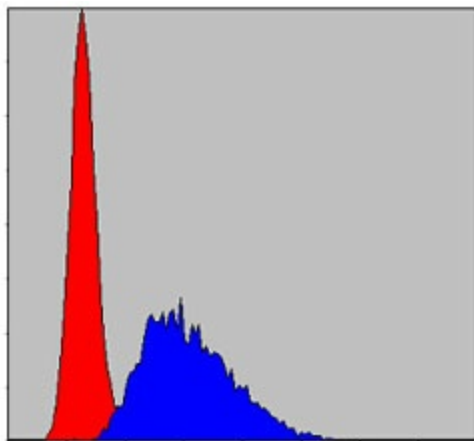
ed: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



Immunohistochemical analysis of paraffin-embedded colon cancer tissues using CASP8 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded liver cancer tissues using CASP8 mouse mAb with DAB staining.



Flow cytometric analysis of NIH/3T3 cells using CASP8 mouse mAb (blue) and negative control (red).