

35-1675: Polyclonal Antibody to Caspase8

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	CASP8
Gene ID :	841
Uniprot ID :	Q14790
Format :	Purified
Alternative Name :	ICE-like apoptotic protease 5
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.217~221 (S-E-S-Q-T) derived from Caspase 8.

Description

Most upstream protease of the activation cascade of caspases responsible for the TNFRSF6/FAS mediated and TNFRSF1A induced cell death. Binding to the adapter molecule FADD recruits it to either receptor. The resulting aggregate called death-inducing signaling complex (DISC) performs CASP8 proteolytic activation. The active dimeric enzyme is then liberated from the DISC and free to activate downstream apoptotic proteases. Proteolytic fragments of the N-terminal propeptide (termed CAP3, CAP5 and CAP6) are likely retained in the DISC. Cleaves and activates CASP3, CASP4, CASP6, CASP7, CASP9 and CASP10. May participate in the GZMB apoptotic pathways. Cleaves ADPRT. Hydrolyzes the small-molecule substrate, Ac-Asp-Glu-Val-Asp-|-AMC. Likely target for the cowpox virus CRMA death inhibitory protein. Isoform 5, isoform 6, isoform 7 and isoform 8 lack the catalytic site and may interfere with the pro-apoptotic activity of the complex.

Product Info

Amount :	50 μ l / 100 μ l
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 18,43,57kd, Western blotting: 1:500~1:1000

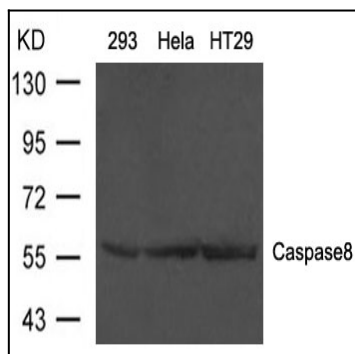


Figure 1: Western blot analysis of extract from 293, HeLa and HT29 cells using Caspase8 Antibody 35-1675