

Caspase8 Antibody

Catalog No: #21421



Package Size: #21421-1 50ul #21421-2 100ul

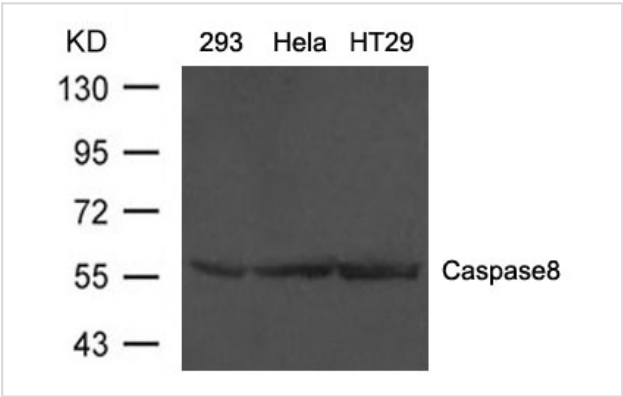
Overview

| | |
|--------------------|-------------------------------|
| Product Name | Caspase8 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Applications | WB |
| Species Reactivity | Hu |
| Immunogen Type | Peptide-KLH |
| Target Name | Caspase-8 |
| Alternative Names | ICE-like apoptotic protease 5 |

Application Details

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

Images



Western blot analysis of extract from 293, HeLa and HT29 cells using Caspase8 Antibody #21421

Descriptions

| | |
|---------------|---|
| Immunogen | Peptide sequence around aa.217~221 (S-E-S-Q-T) derived from Caspase 8. |
| Specificity | The antibody detects endogenous level of total Caspase 8 protein. |
| Purification | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |
| Accession NO. | Swiss-Prot: Q14790NCBI Protein: NP_001219.2 |

Related Information

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.

Himeji D.et.al.(2002)Blood 99:4070-4078

Breckenridge D.G.et.al. (2002)Proc. Natl. Acad. Sci. U.S.A. 99:4331-4336

Muzio M.et.al. (1997)J. Biol. Chem. 272:2952-2956

Note: This product is for in vitro research use only and is not intended for use in humans or animals.