

Caspase8 Antibody

Catalog No: #21421

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

Description

Product Name	Caspase8 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Caspase 8 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.217~221 (S-E-S-Q-T) derived from Caspase 8.
Conjugates	Unconjugated
Target Name	Caspase-8
Other Names	ICE-like apoptotic protease 5
Accession No.	Swiss-Prot: Q14790NCBI Protein: NP_001219.2
Concentration	1.0mg/ml
Formulation	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	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 18,43,57kd

Western blotting: 1:500~1:1000

Background

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

Published Papers

el at., BAD overexpression inhibits cell growth and induces apoptosis via mitochondrial-dependent pathway in non-small cell lung cancer. In Cancer Cell Int on 2013 Jun 1 by Jiang L, Luo M, et al..PMID:23725574, , (2013)

[PMID:23725574](#)

el at., Differential apoptosis gene expressions of rhabdomyosarcoma cells in response to enterovirus 71 infection. In BMC Infect Dis on 2012 Nov 28 by Shi W, Li X, et al..PMID:23191987, , (2012)

[PMID:23191987](#)

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