

Caspase-8 Polyclonal Antibody

Catalog No: #42620

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Description

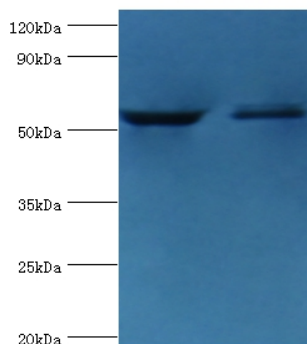
Product Name	Caspase-8 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Caspase-8 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Caspase-8 protein
Target Name	Caspase-8
Other Names	Apoptotic cysteine protease, Apoptotic protease Mch-5, CAP4, FADD-homologous ICE/ced-3-like protease, FADD-like ICE, CASP8, MCH5
Accession No.	Swiss-Prot#: Q14790
Uniprot	Q14790
GeneID	841;
Calculated MW	55kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

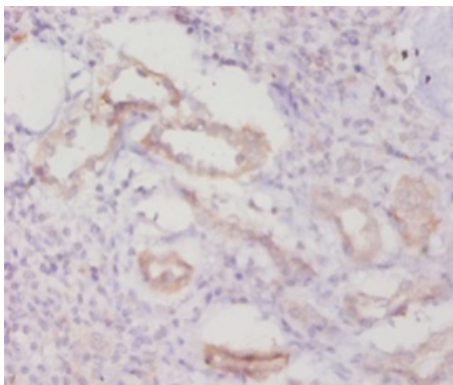
Western blotting: □ 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

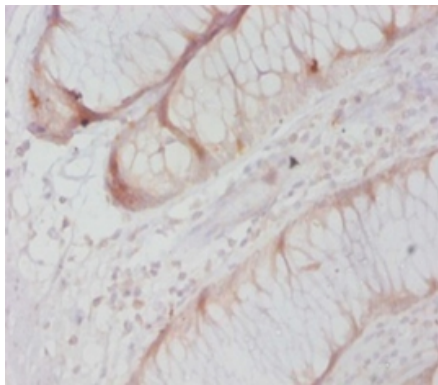
Images



All lanes:Caspase-8 antibody at 2ug/ml
Lane 1:ACCM whole cell lysate
Lane 2:LO2 whole cell lysate
secondary
Goat polyclonal to rabbit at 1/10000 dilution
predicted band size :55kDa
observed band size :55kDa



Immunohistochemical analysis of paraffin-embedded human kidney using #42620 at dilution of 1:20.



Immunohistochemical analysis of paraffin-embedded human colon cancer using #42620 at dilution of 1:20.

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.

References

[1] Involvement of MACH, a novel MORT1/FADD-interacting protease, in Fas/APO-1- and TNF receptor-induced cell death. Boldin M.P., Goncharov T.M., Goltsev Y.V., Wallach D. Cell 85:803-815(1996) [2] FLICE, a novel FADD-homologous ICE/CED-3-like protease, i

Note: This product is for in vitro research use only