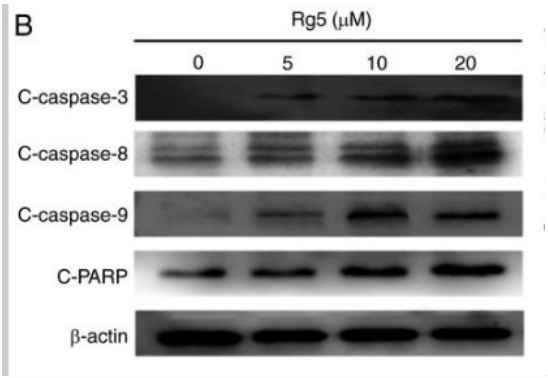
Cleaved-Caspase-8 p18 (S217) Polyclonal Antibody

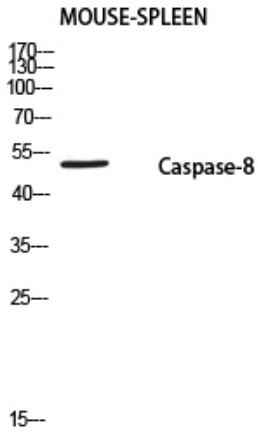
Catalog No	YP-Ab-00582
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	CASP8
Immunogen	Synthesized peptide derived from Cleaved-Caspase-8 p18 (S217) . at AA range: 170-250
Specificity	Cleaved-Caspase-8 p18 (S217) Polyclonal Antibody detects endogenous levels of Cleaved-Caspase-8 p18 (S217) protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CASP8;Caspase 8;Apoptotic cysteine protease;Apoptotic protease Mch-5;CAP4; Caspase-8;Caspase8;MCH5;CASP-8;FADD-homologous ICE/ced-3-like protease;FADD-like ICE;FLICE;ICE-like apoptotic protease 5;MORT1-associated ced-3 homolog;MACH
Observed Band	18 54kD
Calculated Molecular Weight	18 54kD
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Isoform 1, isoform 5 and isoform 7 are expressed in a wide variety of tissues. Highest expression in peripheral blood leukocytes, spleen, thymus and liver. Barely detectable in brain, testis and skeletal muscle.
Function	catalytic activity:Strict requirement for Asp at position P1 and has a preferred cleavage sequence of (Leu/Asp/Val)-Glu-Thr-Asp-|-(Gly/Ser/Ala)., disease:Defects in CASP8 are the cause of caspase-8 deficiency (CASP8D) [MIM:607271]. CASP8D is a disorder resembling autoimmune lymphoproliferative syndrome (ALPS). It is characterized by lymphadenopathy, splenomegaly, and defective CD95-induced apoptosis of peripheral blood

	lymphocytes (PBLs). It leads to defects in activation of T-lymphocytes, B-lymphocytes, and natural killer cells leading to immunodeficiency characterized by recurrent sinopulmonary and herpes simplex virus infections and poor responses to immunization.,domain:Isoform 9 contains a N-terminal extension that is required for interaction with the BCAP31 complex.,function:Most upstream protease of the activation cascade of caspases responsible for the TNFRSF6/FAS mediated and TNF
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 alt
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

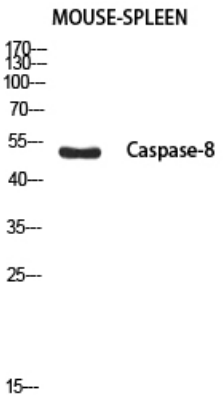
Products Images



Zhang, Daoming, et al. "Ginsenoside Rg5 induces apoptosis in human esophageal cancer cells through the phosphoinositide 3 kinase/protein kinase B signaling pathway." Molecular medicine reports 19.5 (2019): 4019-4026.



Western blot analysis of MOUSE-SPLEEN using Caspase-8 P18 antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of MOUSE-SPLEEN using Cleaved-Caspase-8 p18 (S217) antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000