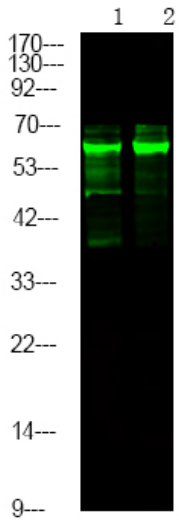
Caspase 8 (Phospho Tyr448) Rabbit pAb

Catalog No	YP-Ab-17221
Isotype	IgG
Reactivity	Human, Mouse
Applications	IHC,WB
Gene Name	CASP8 MCH5
Immunogen	Synthesized peptide derived from human Caspase 8 (Phospho Tyr448)
Specificity	This antibody detects endogenous levels of Caspase 8 (Phospho Tyr448) Rabbit pAb at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Rabbit,polyclonal
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000 IHC 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ALPS2B;Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 12 protein;Apoptotic cysteine protease;Apoptotic protease Mch-5;Apoptotic protease Mch5;CAP4;CASP-8;CASP8;CASP8_HUMAN;Caspase 8;Caspase 8 apoptosis related cysteine peptidase;Caspase-8 subunit p1;CED 3;FADD Like ICE;FADD-homologous ICE/CED-3-like protease;FADD-like ICE;FLICE; FLJ17672;ICE-like apoptotic protease 5;MACH alpha 1/2/3 protein;MACH; MACH beta 1/2/3/4 protein;MCH5;MGC78473;MORT1 associated ced 3 homolog;MORT1-associated CED-3 homolog;OTTHUMP163717; OTTHUMP16372;OTTHUMP163724;OTTHUMP163725;OTTHUMP16562; OTTHUMP16563;OTTHUMP16564;OTTHUMP26552;OTTHUMP26582; Caspase-8;CASP8 MCH5;Caspase-8 (CASP-8) (EC 3.4.22.61) (Apoptotic cysteine protease) (Apoptotic protease Mch-5) (CAP4) (FADD-homologous ICE/ ced-3-like protease) (FADD-like ICE) (FLICE) (ICE-like apoptotic protease 5) (MOR;Caspase-8 (CASP-8) (EC 3.4.22.61) (Apoptotic cysteine protease) (Apoptotic protease Mch-5) (CAP4) (FADD-homologous ICE/ced-3-like protease) (FADD-like ICE) (FLICE) (ICE-like apoptotic protease 5) (MORT1-associated ced-3 homolog) (MACH) [Cleaved into: Caspase-8 subunit p18;Caspase-8 subunit p10]
Observed Band	55kD
Calculated Molecular Weight	55kD

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	caspase 8(CASP8) Homo sapiens 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



Western Blot analysis of 1 Raji cell, 2 Serum-free treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000