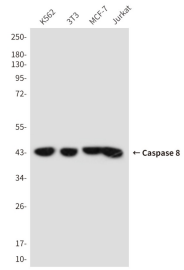
Caspase-8 (4C2) Mouse mAb

db6486 **Package : 50μL 100μL**

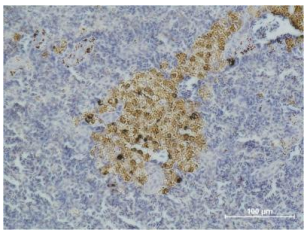
Product Name : Caspase-8 (4C2) Mouse mAb
Cat.No.: db6486
Synonyms : CASP8; MCH5; Caspase-8; CASP-8; Apoptotic cysteine protease; Apoptotic protease Mch-5; CAP4; FADD-homologous ICE/ced-3-like protease; FADD-like ICE; FLICE; ICE-like apoptotic protease 5; MORT1-associated ced-3 homolog; MACH
Application : WB, ICC/IF, IHC-P
Reactivity : Human, Mouse, Rat
Host species : Mouse

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.
Immunogen	Recombinant Protein of Caspase-8
Gene ID	841
Swiss Prot	Q14790
Synonyms	CASP8; MCH5; Caspase-8; CASP-8; 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
Reactivity	Human, Mouse, Rat
Application	WB, ICC/IF, IHC-P
Recommended dilution	WB: 1:500-1:1000 IHC: 1:50-1:100 ICC/IF: 1:50-1:200
Calculated MW	55 kDa
Observed MW	43,57 kDa

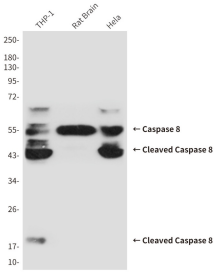
Host species	Mouse
Clonality	Monoclonal
Clonality No.	4C2-3G4-5G7
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



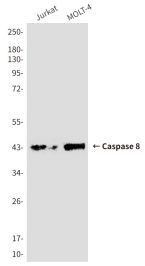
Western blot analysis of Caspase8 in K562, 3T3, MCF-7 and Jurkat lysates using Caspase8 antibody.



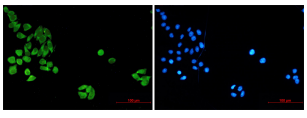
Immunohistochemistry analysis of paraffin-embedded mouse Spleen Tissue using Caspase8 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of Caspase 8 (2G12) in THP-1, rat Brain, Hela lysates using Caspase8 (4C2) antibody.



Western blot analysis of Caspase 8 (2G12) in Jurkat, MOLT4 lysates using Caspase 8 (2G12) antibody



Immunocytochemistry analysis of Caspase8 (4C2) (green) in Hela using Caspase8 (4C2) antibody,and DAPI(blue).