Caspase-8 Polyclonal Antibody

E20-53438

Catalog Number:E20-53438

Product name: Caspase-8 Polyclonal Antibody

Amount:100ul

Applications:WB,IHC-p

Reactivity: Human,Mouse,Rat

Gene Name:CASP8

Protein Name: Caspase-8

Human Gene Id:841

Human Swiss Prot No:Q14790

Mouse Swiss Prot No:O89110

Immunogen: Recombinant Protein of Caspase-8

Specificity: The antibody detects endogenous Caspase-8 protein.

Formulation:PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

Source: Rabbit

Dilution:WB: 1:1000-2000 IHC: 1:50-100

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Storage Stability:-20° C/1 year

Other Names: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

Observed Band(KD):43,57

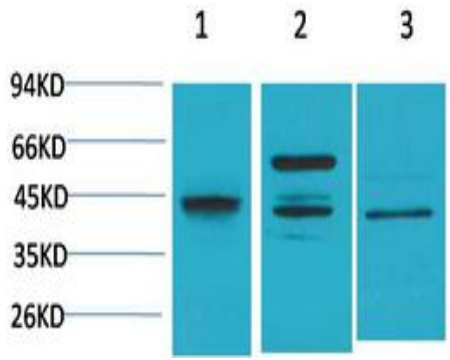
Background:caspase 8(CASP8) Homo sapiens This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes composed of a prodomain, a large protease 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.

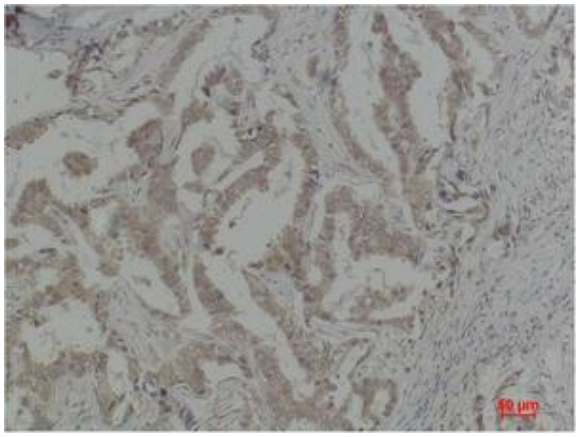
Function:catalytic activity:Strict requirement for Asp at position P1 and has a preferred cleavage sequence of (Leu/Asp/Val)-Glu-Thr-Asp-|-(Gly/Ser/Ala).,disease:Defects in CASP8 are the cause of caspase-8 deficiency (CASP8D) [MIM:607271]. CASP8D is a disorder resembling autoimmune lymphoproliferative syndrome (ALPS).

Subcellular Location:nucleoplasm,cytoplasm,mitochondrion,mitochondrial outer membrane, microtubule organizing center, cytosol, cytoskeleton, death-inducing signaling complex,CD95 death-inducing signaling complex,neuron projection,cell body,membrane raft.

Expression:B-cell,Leukocyte,Lung,T-cell,Thymus.



Western blot analysis of 1) Hela, 2) Raw 264.7, 3) PC12 using Caspase-8 Polyclonal Antibody. Secondary antibody was diluted at 1:20000.



IImmunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using Caspase-8 Polyclonal Antibody.