



Rabbit Anti-Human CASP8 (Phospho-Tyr380) polyclonal antibody (CABT-L3355)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Human CXCR4 (Phospho-Ser339) polyclonal antibody. This antibody detects endogenous levels of Caspase 8 only when phosphorylated at Tyr380.
Specificity	Target Modification: Phospho. Modification Sites: Human: Y380
Target	Human Caspase 8 (Phospho-Tyr380)
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 8 around the phosphorylation site of Tyr380. Immunogen range: 346-395
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, ELISA
Molecular Weight	55 kDa
Preparation	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Format	Liquid

Concentration	Lot specific
Size	100 µl
Buffer	Rabbit IgG in PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl and 50% glycerol.
Preservative	0.02% Sodium Azide
Storage	Stable at -20°C for at least 1 year.
Ship	Wet ice

BACKGROUND

Introduction	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 alternatively spliced transcript variants encoding different isoforms have been described, although not all variants have had their full-length sequences determined.
Keywords	CASP8;caspase 8, apoptosis-related cysteine peptidase;CAP4;MACH;MCH5;FLICE;ALPS2B;Casp-8;caspase-8;FADD-like ICE;MACH-alpha-1/2/3 protein;apoptotic protease Mch-5;MACH-beta-1/2/3/4 protein;apoptotic cysteine protease;ICE-like apoptotic protease 5;MORT1-associated ced-3 homolog;FADD-homologous ICE/CED-3-like protease;caspase 8, apoptosis-related cysteine protease;

GENE INFORMATION

Gene Name	CASP8 caspase 8, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP8
Synonyms	Apoptotic cysteine protease, Apoptotic protease Mch-5, CAP4, Caspase-8 precursor, FADD-homologous ICE/CED-3- like protease, FADD-like ICE, FLICE, ICE-like apoptotic protease 5, ICE8, MACH, MCH5, MORT1-associated CED-3 homolog
Entrez Gene ID	841

UniProt ID

[Q14790](#)
