



# Rabbit Anti-Human CASP8 (Phospho-Ser347) polyclonal antibody (CABT-L3356)

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

## PRODUCT INFORMATION

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| <b>Product Overview</b>   | Rabbit Anti-Human CtBP1 (Phospho-Ser422) polyclonal antibody. This antibody detects endogenous levels of Caspase 8 only when phosphorylated at Ser347.  |
| <b>Specificity</b>        | Target Modification: Phospho.<br>Modification Sites: Human: S347; Rat: S349   |
| <b>Target</b>             | Human Caspase 8 (Phospho-Ser347)  |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human Caspase 8 around the phosphorylation site of Ser347. Immunogen range: 313-362   |
| <b>Isotype</b>            | IgG   |
| <b>Source/Host</b>        | Rabbit  |
| <b>Species Reactivity</b> | Human, Rat  |
| <b>Purification</b>       | Affinity Purified   |
| <b>Conjugate</b>          | Unconjugated  |
| <b>Applications</b>       | WB, IHC, ELISA  |
| <b>Molecular Weight</b>   | 55 kDa  |
| <b>Preparation</b>        | 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. |
| <b>Format</b>             | Liquid  |

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| <b>Concentration</b> | Lot specific  |
| <b>Size</b>          | 100 µl  |
| <b>Buffer</b>        | Rabbit IgG in PBS (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl and 50% glycerol. |
| <b>Preservative</b>  | 0.02% Sodium Azide  |
| <b>Storage</b>       | Stable at -20°C for at least 1 year.  |
| <b>Ship</b>          | Wet ice   |

## BACKGROUND

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| <b>Introduction</b> | <p>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.</p> |
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| <b>Keywords</b> | <p>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;</p> |
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## GENE INFORMATION

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|------------------------|---|
| <b>Gene Name</b>       | CASP8 caspase 8, apoptosis-related cysteine peptidase [ Homo sapiens (human) ]  |
| <b>Official Symbol</b> | CASP8   |
| <b>Synonyms</b>        | 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 |
| <b>Entrez Gene ID</b>  | <a href="#">841</a>   |

UniProt ID

[Q14790](#)

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