



Rabbit Anti-Human CASP4 (p20,Cleaved-Gln81) polyclonal antibody (CABT-L3347)

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

PRODUCT INFORMATION

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| Product Overview | Rabbit Anti-Human Acetyl-CoA Carboxylase (Phospho-Ser80) polyclonal antibody. This antibody detects endogenous levels of fragment of activated Caspase 4 resulting from cleavage adjacent to Gln81. |
| Specificity | Target Modification: Cleaved. Modification Sites: Gln81 |
| Target | Human Caspase 4 (p20,Cleaved-Gln81) |
| Immunogen | The antiserum was produced against synthesized peptide derived from human Caspase 4. Immunogen range: 62-111 |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Purification | Affinity Purified |
| Conjugate | Unconjugated |
| Applications | WB, ELISA |
| Preparation | The antibody was purified from rabbit antiserum by affinity-chromatography using immunogen. |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 100 µl |

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| 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

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| Introduction | This gene encodes a protein that is 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 and a large and 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 caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, this gene induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms. |
| Keywords | CASP4;caspase 4, apoptosis-related cysteine peptidase;TX;ICH-2;Mih1/TX;ICEREL-II;ICE(rel)II;caspase-4;CASP-4;ICE(rel)-II;protease TX;protease ICH-2;apoptotic cysteine protease Mih1/TX;caspase 4, apoptosis-related cysteine protease; |

GENE INFORMATION

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|------------------------|--|
| Gene Name | CASP4 caspase 4, apoptosis-related cysteine peptidase [Homo sapiens (human)] |
| Official Symbol | CASP4 |
| Synonyms | DNA primase small subunit, DNA primase 49 kDa subunit, p49 |
| Entrez Gene ID | 837 |
| UniProt ID | P49662 |