



Rabbit Anti-Human CASP4 (p20, Cleaved-Asp270/Asp311) polyclonal antibody (CABT-L3346)

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

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Human ACC1 (Phospho-Ser80) polyclonal antibody. This antibody detects endogenous levels of fragment of activated Caspase 4/5 resulting from cleavage adjacent to Asp270 or Asp311.
Specificity	Target Modification: Cleaved. Modification Sites: Asp311
Target	Human Caspase 4/5 (p20, Cleaved-Asp270/Asp311)
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 4/5. Immunogen range: 221-270
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, ELISA
Molecular Weight	43 kDa
Preparation	The antibody was purified from rabbit antiserum by affinity-chromatography using immunogen.
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 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

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