



# Rabbit Anti-Human CASP9 (Phospho-Tyr153) polyclonal antibody (CABT-L3361)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Anti-Human Cyclin C (Phospho-Ser275) polyclonal antibody. This antibody detects endogenous levels of Caspase 9 only when phosphorylated at Tyr153.
<b>Specificity</b>	Target Modification: Phospho. Modification Sites: Human: Y153
<b>Target</b>	Human Caspase 9 (Phospho-Tyr153)
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Caspase 9 around the phosphorylation site of Tyr153. Immunogen range: 119-168
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Affinity Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IF, ELISA
<b>Molecular Weight</b>	46 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

<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

<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 which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants.</p>
<b>Keywords</b>	<p>CASP9;caspase 9, apoptosis-related cysteine peptidase;MCH6;APAF3;APAF-3;PPP1R56;ICE-LAP6;caspase-9;apoptotic protease MCH-6;ICE-like apoptotic protease 6;apoptotic protease activating factor 3;protein phosphatase 1, regulatory subunit 56;</p>

## GENE INFORMATION

<b>Gene Name</b>	CASP9 caspase 9, apoptosis-related cysteine peptidase [ Homo sapiens (human) ]
<b>Official Symbol</b>	CASP9
<b>Synonyms</b>	APAF-3, Apoptotic protease Mch-6, Apoptotic protease activating factor 3, CASP-9, Caspase-9, Caspase-9 precursor, Caspase9, ICE-LAP6, ICE-like apoptotic protease 6, MCH6, RNCASP9
<b>Entrez Gene ID</b>	<a href="#">842</a>
<b>UniProt ID</b>	<a href="#">P55211</a>