



# Rabbit Anti-Human CASP3 (Cleaved-Asp175) polyclonal antibody (CABT-L3343)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Anti-Human Abl (Phospho-Tyr393/412) polyclonal antibody. This antibody detects endogenous levels of fragment of activated Caspase 3 protein resulting from cleavage adjacent to Asp175.
<b>Specificity</b>	Target Modification: Cleaved. Human Caspase 3 (Cleaved-Asp175)
<b>Target</b>	Human Caspase 3 (Cleaved-Asp175)
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CASP3. Immunogen range: 126-175
<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>	IHC, ELISA
<b>Molecular Weight</b>	31 kDa
<b>Preparation</b>	The antibody was purified from rabbit antiserum by affinity-chromatography using immunogen.
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific

<b>Size</b>	100 µl
<b>Buffer</b>	Rabbit IgG in PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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>	This gene encodes a protein which 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 which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimers disease. Alternative splicing of this gene results in two transcript variants that encode the same protein.
<b>Keywords</b>	CASP3;caspase 3, apoptosis-related cysteine peptidase;CPP32;SCA-1;CPP32B;caspase-3;CASP-3;CPP-32;apopain;procaspase3;protein Yama;PARP cleavage protease;cysteine protease CPP32;SREBP cleavage activity 1;caspase 3, apoptosis-related cysteine protease;

## GENE INFORMATION

<b>Gene Name</b>	CASP3 caspase 3, apoptosis-related cysteine peptidase [ Homo sapiens (human) ]
<b>Official Symbol</b>	CASP3
<b>Synonyms</b>	Apopain precursor, CASP-3, CPP-32, CPP32, Caspase-3, Cysteine protease CPP32, ICE3, SCA-1, SREBP cleavage activity 1, Yama protein
<b>Entrez Gene ID</b>	<a href="#">836</a>
<b>UniProt ID</b>	<a href="#">P42574</a>