



Rabbit Anti-Human CASP3 (Phospho-Ser150) polyclonal antibody (CABT-L3345)

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

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Human CSFR (Phospho-Tyr561) polyclonal antibody. This antibody detects endogenous levels of Caspase 3 only when phosphorylated at Ser150.
Specificity	Target Modification: Phospho. Modification Sites: Human: S150; Mouse: S150; Rat: S150
Target	Human Caspase 3 (Phospho-Ser150)
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 3 around the phosphorylation site of Ser150. Immunogen range: 116-165
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, IHC, ELISA
Molecular Weight	31 kDa
Preparation	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.
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 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.
Keywords	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

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