



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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Product Number	ARP58987_P050-HRP
Product Page	<a href="http://www.avivasysbio.com/casp3-antibody-c-terminal-region-hrp-arp58987-p050-hrp.html">www.avivasysbio.com/casp3-antibody-c-terminal-region-hrp-arp58987-p050-hrp.html</a>
Name	CASP3 Antibody - C-terminal region : HRP (ARP58987_P050-HRP)
Protein Size (# AA)	277 amino acids
Molecular Weight	12kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	836
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Caspase 3, apoptosis-related cysteine peptidase
Alias Symbols	CPP32, SCA-1, CPP32B
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">NLKYEVRNKNDLTREEIVELMRDVSKEHRSKRSFVCLLSHGEEGIIFG</a>
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Description of Target	CASP3 is 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 Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein.
Protein Interactions	BAX; PARP1; PTGES3; XIAP; CRYAB; BIRC7; UBC; MDM2; Gzmb; VIM; STAT1; SPTAN1; ROCK1; GSN; DFFA; CASP9; CASP7; CASP6; CASP2; BID; ARHGDI1; TNFSF10; PLA2G4B; CDKN1A; RB1; PRKDC; GLRX; GATA1; SOCS5; YWHAG; MAPK9; MAPK8; SP1; PKN1; CASP8; BIRC3; BIRC2; ZBTB16;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for <a href="#">anti-CASP3 (ARP58987_P050-HRP) antibody</a>
Blocking Peptide	For anti-CASP3 (ARP58987_P050-HRP) antibody is <a href="#">Catalog# AAP58987</a> (Previous Catalog# AAPP44954)
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human CASP3
Uniprot ID	<a href="#">P42574</a>
Protein Name	Caspase-3
Protein Accession #	<a href="#">NP_116786</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_032991</a>
Gene Symbol	<a href="#">CASP3</a>
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Pig, Rabbit, Sheep
Application	WB, IF

<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 91%; Dog: 93%; Goat: 86%; Guinea Pig: 86%; Horse: 93%; Human: 100%; Mouse: 86%; Pig: 100%; Rabbit: 100%; Rat: 100%; Sheep: 86%
<b>Image 1</b>	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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