



# 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	ARP58983_P050-HRP
Product Page	<a href="http://www.avivasysbio.com/casp1-antibody-middle-region-hrp-arp58983-p050-hrp.html">www.avivasysbio.com/casp1-antibody-middle-region-hrp-arp58983-p050-hrp.html</a>
Name	CASP1 Antibody - middle region : HRP (ARP58983_P050-HRP)
Protein Size (# AA)	383 amino acids
Molecular Weight	10kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	834
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Caspase 1, apoptosis-related cysteine peptidase
Alias Symbols	ICE, P45, IL1BC
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">LQTRVLNKEEMEKVKRENATVMDKTRALIDSVIPKGAQACQICITYICEE</a>
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Description of Target	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 2 subunits, large and small, that dimerize to form the active enzyme. This gene was identified by its ability to proteolytically cleave and activate the inactive precursor of interleukin-1, a cytokine involved in the processes such as inflammation, septic shock, and wound healing. This gene has been shown to induce cell apoptosis and may function in various developmental stages. Studies of a similar gene in mouse suggest a role in the pathogenesis of Huntington disease. Alternative splicing of this gene results in five transcript variants encoding distinct isoforms.
Protein Interactions	ced-3; ced-4; VAC14; BCL2L1; UBC; XK; PLA2G4B; IL33; IL1B; PARP1; BIRC3; TRAF2; CEBPB; TIRAP; CARD17; CARD16; CARD8; PLA2G4A; CDK11B; NLRP1; ATN1; ATXN3; PYCARD; NLRC4; NOD1; CASP14; RIPK2; PAK1; PARK2; NEDD4; BID; IL18; PSEN2; NFE2L2; AR; BCAP31; MAPT; L
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-CASP1 (ARP58983_P050-HRP) antibody</a>
Blocking Peptide	For anti-CASP1 (ARP58983_P050-HRP) antibody is <a href="#">Catalog # AAP58983</a> (Previous Catalog # AAPP44950)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human CASP1
Uniprot ID	<a href="#">P29466</a>
Protein Name	Caspase-1
Sample Type Confirmation	CASP1 is strongly supported by BioGPS gene expression data to be expressed in 721_B
Protein Accession #	<a href="#">NP_001214</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_001223</a>
Gene Symbol	<a href="#">CASP1</a>
Predicted Species Reactivity	Human, Horse, Rabbit, Yeast
Application	WB

<b>Predicted Homology Based on Immunogen Sequence</b>	Horse: 79%; Human: 100%; Rabbit: 79%; Yeast: 100%
<b>Image 1</b>	 A schematic diagram of an antibody molecule, represented as a Y-shape. It consists of two heavy chains (the inner vertical lines) and two light chains (the outer diagonal lines), all connected at their base.

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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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