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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

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Product Number	ARP58984_P050-HRP
Product Page	www.avivasysbio.com/casp1-antibody-c-terminal-region-hrp-arp58984-p050-hrp.html
Name	CASP1 Antibody - C-terminal region : HRP (ARP58984_P050-HRP)
Protein Size (# AA)	263 amino acids
Molecular Weight	28 kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	834
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	caspase 1
Alias Symbols	ICE, P45, IL1BC
Peptide Sequence	Synthetic peptide located within the following region: MLNTKNCPSLKD KPKVIIIQACRGDNVSWRHPTMGSVFIGRLIEHMQEYA
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 results in 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 anti-CASP1 (ARP58984_P050-HRP) antibody
Blocking Peptide	For anti-CASP1 (ARP58984_P050-HRP) antibody is Catalog# AAP58984
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human CASP1
Uniprot ID	P29466-4
Protein Name	caspase-1
Protein Accession #	NP_150636.1
Purification	Affinity purified
Nucleotide Accession #	NM_001223.4
Gene Symbol	CASP1
Predicted Species Reactivity	Human
Application	WB

Predicted Homology Based on Immunogen Sequence	Dog: 85%; Horse: 79%; Human: 100%; Mouse: 100%; Pig: 86%; Rabbit: 86%; Rat: 100%
Image 1	

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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