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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58434_P050-Biotin
Product Page	www.avivasysbio.com/capns1-antibody-middle-region-biotin-arp58434-p050-biotin.html
Name	CAPNS1 Antibody - middle region : Biotin (ARP58434_P050-Biotin)
Protein Size (# AA)	268 amino acids
Molecular Weight	29kDa
Subunit	1
Conjugation	Biotin
NCBI Gene Id	826
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Calpain, small subunit 1
Alias Symbols	CANP, CDPS, CSS1, CANPS, CAPN4, CALPAIN4
Peptide Sequence	Synthetic peptide located within the following region: RRYSDESGNMDFDNFISCLVRLDAMFRAFKSLDKDGTGQIQVNIQEWLQL
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	Calpains are a ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. Calpain families have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. Calpain I and II are heterodimeric with distinct large subunits associated with common small subunits, all of which are encoded by different genes. This gene encodes a small subunit common to both calpain I and II and is associated with myotonic dystrophy. Two transcript variants encoding the same protein have been identified for this gene.
Protein Interactions	AGTRAP; HUWE1; NEDD1; TUBGCP2; TUBGCP3; CDC20; UBC; OGFOD1; STK26; ISOC1; DCPS; MAT2B; PROSC; FERMT2; YWHAQ; PDIA4; YWHAZ; YWHAH; YWHAG; YWHAE; PTMA; PPP1CA; PAK2; PFAH1B1; MYO1E; MAT2A; GNAI3; GAPDH; EIF5; TBCB; ALDH7A1; ASNS; APEX1; ADRB2; PPARGC1A; VC
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-CAPNS1 (ARP58434_P050-Biotin) antibody
Blocking Peptide	For anti-CAPNS1 (ARP58434_P050-Biotin) antibody is Catalog # AAP58434 (Previous Catalog # AAPP34805)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human CAPNS1
Uniprot ID	P04632
Protein Name	Calpain small subunit 1
Publications	Kulkarni, Y. M. et al. Differential proteomic analysis of caveolin-1 KO cells reveals Sh2b3 and Clec12b as novel interaction partners of caveolin-1 and Capns1 as a potential mediator of caveolin-1-induced apoptosis. <i>Analyst</i> 138, 6986-96 (2013). WB, Rat, Human, Pig, Rabbit, Bovine, Sheep, Horse, Guinea pig, Dog, Mouse 24091439
Protein Accession #	NP_001003962
Purification	Affinity Purified

Nucleotide Accession #	NM_001003962
Gene Symbol	CAPNS1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Sheep
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 93%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 93%; Pig: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%
Image 1	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

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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