



# 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

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Product Number	ARP58434_P050-FITC
Product Page	<a href="http://www.avivasysbio.com/capns1-antibody-middle-region-fitc-arp58434-p050-fitc.html">www.avivasysbio.com/capns1-antibody-middle-region-fitc-arp58434-p050-fitc.html</a>
Name	CAPNS1 Antibody - middle region : FITC (ARP58434_P050-FITC)
Protein Size (# AA)	268 amino acids
Molecular Weight	29kDa
Subunit	1
Conjugation	FITC: Fluorescein Isothiocyanate
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: <a href="#">RRYSDESGNMDFDNFISCLVRLDAMFRAFKSLDKDGTGQIQVNIQEWLQL</a>
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 <a href="#">anti-CAPNS1 (ARP58434_P050-FITC) antibody</a>
Blocking Peptide	For anti-CAPNS1 (ARP58434_P050-FITC) antibody is <a href="#">Catalog # AAP58434</a> (Previous Catalog # AAPP34805)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human CAPNS1
Uniprot ID	<a href="#">P04632</a>
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). <b>WB, Rat, Human, Pig, Rabbit, Bovine, Sheep, Horse, Guinea pig, Dog, Mouse</b> <a href="#">24091439</a>
Protein Accession #	<a href="#">NP_001003962</a>
Purification	Affinity Purified

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

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