

**CAPNS1 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8728b****Specification**

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**CAPNS1 Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">P04632</a>
Reactivity	Hamster, Rabbit
Host	Mouse
Clonality	monoclonal
Isotype	IgG2b, $\kappa$
Calculated MW	28316

**CAPNS1 Antibody - Additional Information****Gene ID** 826**Other Names**

Calpain small subunit 1, CSS1, Calcium-activated neutral proteinase small subunit, CANP small subunit, Calcium-dependent protease small subunit, CDPS, Calcium-dependent protease small subunit 1, Calpain regulatory subunit, CAPNS1, CAPN4, CAPNS

**Target/Specificity**

This CAPNS1 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 1-323 amino acids from the human region of human CAPNS1.

**Dilution**

WB~~1:4000

E~~Use at an assay dependent concentration.

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CAPNS1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CAPNS1 Antibody - Protein Information****Name** CAPNS1**Synonyms** CAPN4, CAPNS

**Function** Regulatory subunit of the calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. Essential for embryonic development (By similarity).

**Cellular Location**

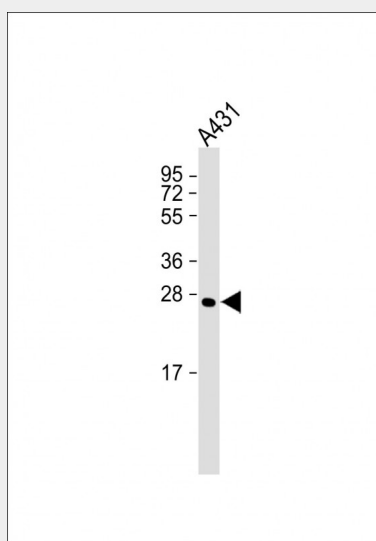
Cytoplasm. Cell membrane. Note=Translocates to the plasma membrane upon calcium binding.

**CAPNS1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CAPNS1 Antibody - Images**



Anti-CAPNS1 Antibody at 1:4000 dilution + A431 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

**CAPNS1 Antibody - Background**

Regulatory subunit of the calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.

**CAPNS1 Antibody - References**

Ohno S.,et al.Nucleic Acids Res. 14:5559-5559(1986).  
Miyake S.,et al.Nucleic Acids Res. 14:8805-8817(1986).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Kalnine N.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.

Grimwood J., et al. Nature 428:529-535(2004).