

# CAPNS1 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AM8728b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P04632</a>
<b>Reactivity</b>	Human, Hamster, Rat, Rabbit
<b>Host</b>	Mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2b, $\kappa$
<b>Clone Names</b>	2190CT339.12.2
<b>Calculated MW</b>	28316

## Additional Information

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<b>Gene ID</b>	826
<b>Other Names</b>	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
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:4000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	CAPNS1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CAPNS1
<b>Synonyms</b>	CAPN4, CAPNS
<b>Function</b>	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.

## Background

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

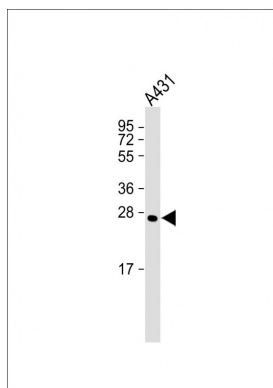
## References

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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).

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.