10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CAPNS1 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8728b

Product Information

Application	WB, E
Primary Accession	P04632
Reactivity	Human, Hamster, Rat, Rabbit
Host	Mouse
Clonality	monoclonal
Isotype	IgG2b,κ
Clone Names	2190CT339.12.2
Calculated MW	28316

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.

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.

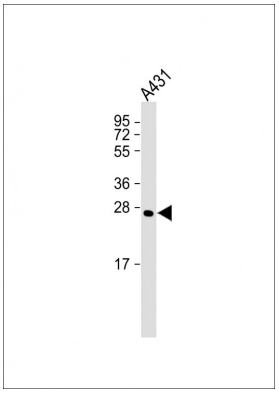
Background

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

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).

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.

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