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CAPNS2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19354c

Product Information

Application	WB, E
Primary Accession	Q96L46
Other Accession	Q9D7J7, NP_115706.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40355
Calculated MW	27660
Antigen Region	55-83

Additional Information

Gene ID	84290
Other Names	Calpain small subunit 2, CSS2, Calcium-dependent protease small subunit 2, CAPNS2
Target/Specificity	This CAPNS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 55-83 amino acids from the Central region of human CAPNS2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	CAPNS2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CAPNS2
Function	Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. This small subunit may act as a tissue-specific chaperone of the

	large subunit, possibly by helping it fold into its correct conformation for activity.
Cellular Location	Cytoplasm. Cell membrane. Note=Translocates to the plasma membrane upon calcium binding.

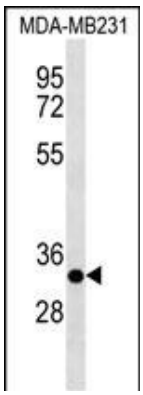
Background

Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. This small subunit may act as a tissue-specific chaperone of the large subunit, possibly by helping it fold into its correct conformation for activity.

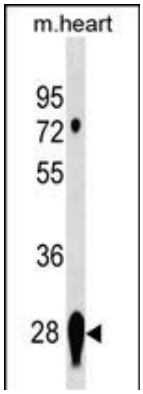
References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Ma, H., et al. Curr. Eye Res. 29 (4-5), 337-347 (2004) :
Schad, E., et al. Biochem. J. 362 (PT 2), 383-388 (2002) :

Images



CAPNS2 Antibody (Center)(Cat. #AP19354c) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the CAPNS2 antibody detected the CAPNS2 protein (arrow).



CAPNS2 Antibody (Center) (Cat. #AP19354c) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the CAPNS2 antibody detected the CAPNS2 protein (arrow).