

KD-Validated Anti-Calpain 2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1196

Product Information

Application	WB, FC, ICC
Primary Accession	P17655
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB3295
Calculated MW	79995
Gene Name	CAPN2
Aliases	CAPN2; Calpain 2; CANPL2; MCANP; Calcium-Activated Neutral Proteinase; Calpain 2, (M/II) Large Subunit; Calpain-2 Catalytic Subunit; Millimolar-Calpain; Calpain M-Type; EC 3.4.22.53; M-Calpain; CANPml; CANP; Calpain 2, Large [Catalytic] Subunit; Calpain, Large Polypeptide L2; Calpain Large Polypeptide L2; Calpain 2, Large Subunit; Calpain-2 Large Subunit; EC 3.4.22; CANPML; CAPN2
Immunogen	A synthesized peptide derived from human Calpain 2

Additional Information

Gene ID	824
Other Names	Calpain-2 catalytic subunit, 3.4.22.53, Calcium-activated neutral proteinase 2, CANP 2, Calpain M-type, Calpain large polypeptide L2, Calpain-2 large subunit, Millimolar-calpain, M-calpain, CAPN2, CANPL2

Protein Information

Name	CAPN2
Synonyms	CANPL2
Function	Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. Proteolytically cleaves MYOC at 'Arg-226' (PubMed: 17650508). Proteolytically cleaves CPEB3 following neuronal stimulation which abolishes CPEB3 translational repressor activity, leading to translation of CPEB3 target mRNAs (By similarity).
Cellular Location	Cytoplasm. Cell membrane. Note=Translocates to the plasma membrane upon Ca(2+) binding
Tissue Location	Ubiquitous.

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