

Calpain 2 Rabbit mAb

Catalog # AP77186

Product Information

Application WB Primary Accession P17655

Reactivity Rat, Human, Mouse

Host Rabbit

Clonality Monoclonal Antibody

Isotype IgG

Conjugate Unconjugated

Immunogen A synthesized peptide derived from human Calpain 2

Purification Affinity Chromatography

Calculated MW 79995

Additional Information

Gene ID 824

Other Names CAPN2

Dilution WB~~1/500-1/1000

Format Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02%

sodium azide and 50% glycerol.

Storage Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

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:<u>17650508</u>). 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.

Images



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