

Calpain 2 Antibody
Rabbit mAb
Catalog # AP91423**Specification**

Calpain 2 Antibody - Product Information

Application	WB
Primary Accession	P17655
Reactivity	Rat
Clonality	Monoclonal
Other Names	
CALP80; Calpain M type; Calpain-2 large subunit; Calpain2; CANP2; CANPL2; CANPml; Capa2; CAPN2; M calpain; mCANP; Millimolar calpain;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	79995 Da

Calpain 2 Antibody - Additional Information

Dilution	WB~~1:1000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Calpain 2
Description	Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Calpain 2 Antibody - 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

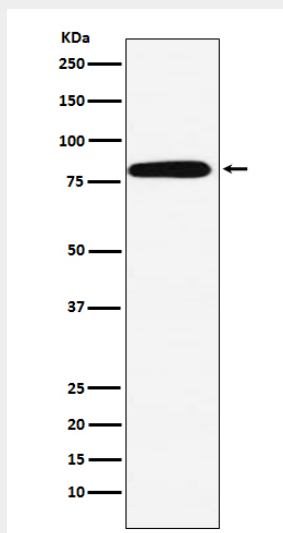
Tissue Location

Ubiquitous.

Calpain 2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Calpain 2 Antibody - Images

Western blot analysis of Calpain 2 expression in A431 cell lysate.