

Anti-CAPN1 / Calpain 1 Antibody (aa468-481)

Goat Anti Human Polyclonal Antibody

Catalog # ALS17916

Product Information

Application	WB, IHC-P, E
Primary Accession	P07384
Predicted	Human, Rabbit, Monkey, Pig, Goat, Xenopus, Bovine, Guinea Pig
Host	Goat
Clonality	Polyclonal
Calculated MW	81890
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	823
Alias Symbol	CAPN1
Other Names	CAPN1, Calpain i, Calpain mu-type, Calpain, large polypeptide L1, Calpain-1 catalytic subunit, Calpain 1, Calpain-1 large subunit, CANP, CANP1, Mu CANP, Mu-calpain, Mu-type calpain, MuCANP, Micromolar-calpain, MuCL, CANP 1, CANPL1
Target/Specificity	Human CAPN1 / Calpain 1. Reported variants represent identical protein: NP_001185797.1, NP_005177.2, NP_001185798.1.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-CAPN1 / Calpain 1 Antibody (aa468-481) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CAPN1 (HGNC:1476)
Synonyms	CANPL1
Function	Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction (PubMed: 19617626 , PubMed: 21531719 , PubMed: 2400579). Proteolytically cleaves CTBP1 at 'Asn-375', 'Gly-387' and 'His-409' (PubMed: 23707407). Cleaves and activates caspase-7 (CASP7) (PubMed: 19617626).
Cellular Location	Cytoplasm. Cell membrane. Note=Translocates to the plasma membrane upon Ca(2+) binding. In granular keratinocytes and in lower corneocytes,

colocalizes with FLG and FLG2 (PubMed:21531719)

Tissue Location

Ubiquitous.

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