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CAPN1 / Calpain 1 Antibody (Internal)

Goat Polyclonal Antibody
Catalog # ALS16293

Specification

CAPN1 / Calpain 1 Antibody (Internal) - Product Information

Application	**WB, IHC**
Primary Accession	P07384
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**82kDa KDa**

CAPN1 / Calpain 1 Antibody (Internal) - Additional Information

Gene ID 823

Other Names
Calpain-1 catalytic subunit, 3.4.22.52, Calcium-activated neutral proteinase 1, CANP 1, Calpain mu-type, Calpain-1 large subunit, Cell proliferation-inducing gene 30 protein, Micromolar-calpain, muCANP, CAPN1, CANPL1

Target/Specificity
Human CAPN1 / Calpain 1. Reported variants represent identical protein: NP_001185797.1, NP_005177.2, NP_001185798.1.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
CAPN1 / Calpain 1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

CAPN1 / Calpain 1 Antibody (Internal) - 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:<a href="http://www.uniprot.org/citations/19617626"

target="_blank">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.

CAPN1 / Calpain 1 Antibody (Internal) - Protocols

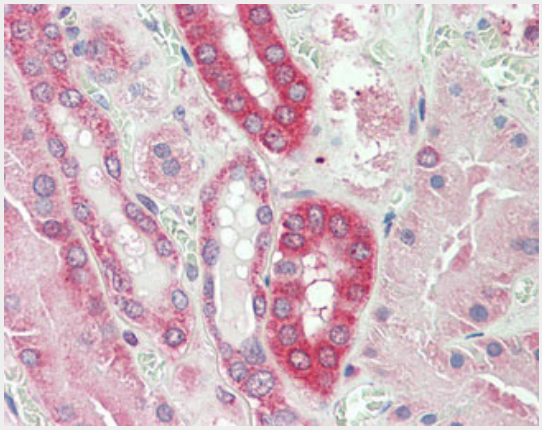
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CAPN1 / Calpain 1 Antibody (Internal) - Images



CAPN1 antibody (0.3 ug/ml) staining of Human Spleen lysate (35 ug protein in RIPA buffer).



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Anti-CAPN1 / Calpain 1 antibody IHC staining of human kidney.

CAPN1 / Calpain 1 Antibody (Internal) - Background

Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.

CAPN1 / Calpain 1 Antibody (Internal) - References

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