

Rabbit Calpain 1 Polyclonal Antibody | anti-CANP1 antibody

Calpain 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29883	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry

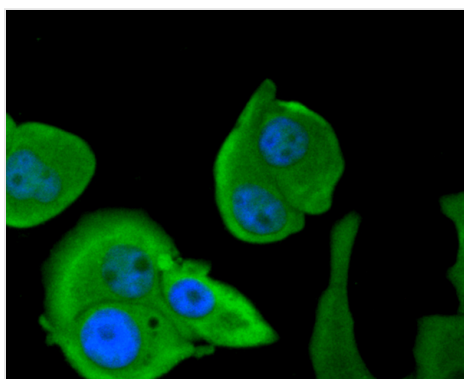
PRODUCT SYNONYMS

Calpain 1; Polyclonal Antibody; Calpain 1 Antibody; Ca2 activated neutral protease antibody; Calcium activated neutral proteinase antibody; Calcium activated neutral proteinase small subunit antibody; Calcium dependent protease small subunit 1 antibody; Calcium dependent protease small subunit antibody; Calcium-activated neutral proteinase 1 antibody; Calpain 1 antibody; Calpain 1 large subunit antibody; (mu/l) large subunit antibody; Calpain mu type antibody; Calpain mu-type antibody; Calpain regulatory subunit antibody; Calpain small subunit 1 antibody; Calpain; large polypeptide L1 antibody; Calpain-1 catalytic subunit antibody; Calpain-1 large subunit antibody; CAN1_HUMAN antibody; CANP 1 antibody; CANP antibody; CANP small subunit antibody; CANP1 antibody; CANPL 1 antibody; CANPL1 antibody; CAPN 1 antibody; CAPN1 antibody; Cell proliferation inducing protein 30 antibody; Cell proliferation-inducing gene 30 protein antibody; Micromolar Calpain antibody; Micromolar-calpain antibody; Mu Calpain antibody; muCANP antibody; muCL antibody; anti-CANP1 antibody

PRODUCT SPECIFICATIONS

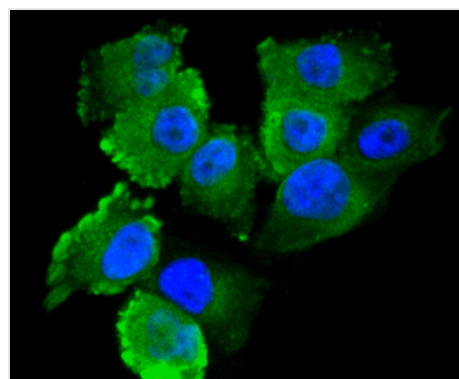
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CANP1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Application Notes	WB: 1:500 IHC: 1:50-1:200 ICC: 1:50-1:200
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



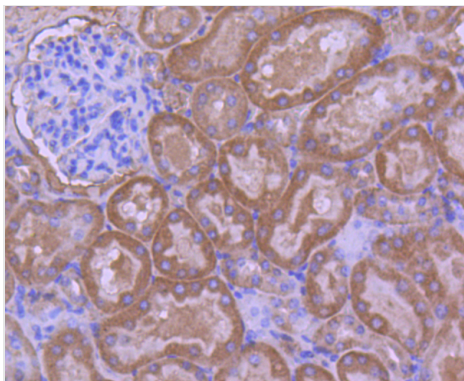
ICC (Immunocytochemistry)

ICC staining Calpain 1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



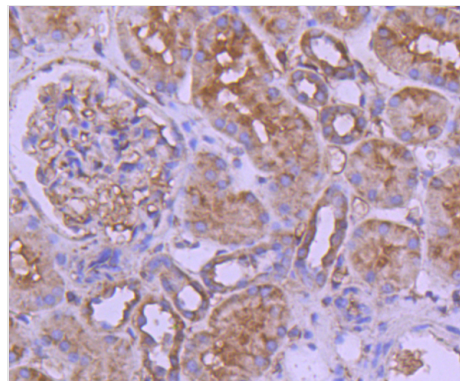
ICC (Immunocytochemistry)

ICC staining Calpain 1 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



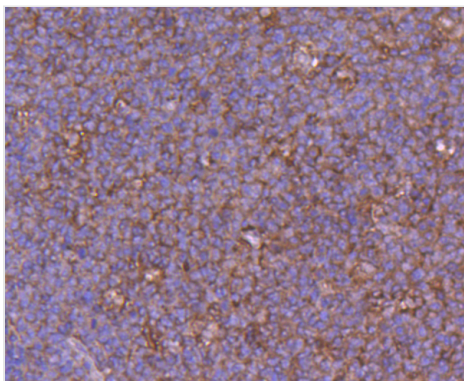
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded 2 kidney tissue using anti-Calpain 1 antibody. Counter stained with hematoxylin.



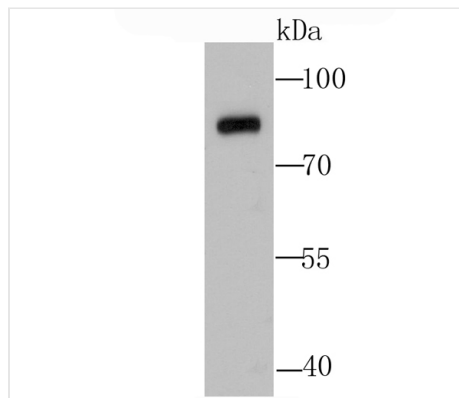
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Calpain 1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Calpain 1 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of Calpain 1 on HUVEC cell lysate using anti-Calpain 1 antibody at 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-CANP1 antibody	Calpain 1, also designated μ -calpain, is an intracellular calcium-dependent protease that cleaves cyto-skeletal and submembranous proteins. Calpains are nonlysosomal, calcium-activated intracellular cysteine proteases. Calpains mediate specific Ca^{2+} -dependent processes including cell fusion, mitosis and meiosis. Calpains are heterodimers of a small regulatory subunit and one of three large catalytic subunits, designated Calpain 1, Calpain 2 and Calpain p94. Calpastatin regulates Calpain by inhibiting both the proteolytic activity of Calpain and its binding to membranes. Calpastatin exists in two types, tissue type and erythrocyte type, resulting from both alternative splicing and proteolytic processing. Calpain-1 co-localizes with human leukocyte antigen-DR (HLA-DR) on activated microglia in the aging brain. Calpain influences the process of spermatogenesis and the events preceding fertilization, such as the acrosome reaction.
Product Categories/Family for anti-CANP1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	119594774
NCBI GeneID	823
UniProt Accession #	P07384; Q2TTR0; Q6DHV4
Molecular Weight	81,890 Da
NCBI Official Full Name	calpain 1, (mu/l) large subunit, isoform CRA_c
NCBI Official Synonym Full Names	calpain 1, (mu/l) large subunit
NCBI Official Symbol	CAPN1

NCBI Official Synonym Symbols	CANP; muCL; CANP1; CANPL1; muCANP
NCBI Protein Information	calpain-1 catalytic subunit; CANP 1; calpain mu-type; micromolar-calpain; calpain-1 large subunit; calpain, large polypeptide L1; calcium-activated neutral proteinase 1; cell proliferation-inducing protein 30; cell proliferation-inducing gene 30 protein
UniProt Protein Name	Calpain-1 catalytic subunit
UniProt Gene Name	CAPN1
UniProt Synonym Gene Names	CANPL1; CANP 1; muCANP
UniProt Entry Name	CAN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/calpain-1-antibody-western-blot-immunocytochemistry-immunohistochemistry-elisa/29883>