

Rabbit Calpain 1 Polyclonal Antibody | anti-CAPN1 antibody

Anti-Calpain 1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45066	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Immunohistochemistry, Western Blot

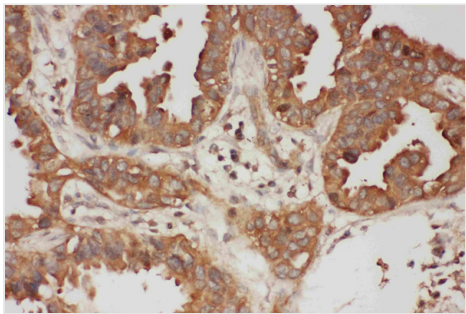
PRODUCT SYNONYMS

Calpain 1; Polyclonal Antibody; Anti-Calpain 1 antibody; Calpain-1 catalytic subunit; calpain 1; (mu/l) large subunit; Ca2 activated neutral protease antibody; Calcium activated neutral proteinase 1 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(mu/l) large subunit antibody; Calpain 1 antibody; Calpain 1 catalytic subunit antibody; Calpain 1 large subunit antibody; Calpain Large Polypeptide L1 antibody; Calpain mu type antibody; Calpain mu-type antibody; Calpain regulatory subunit antibody; Calpain small subunit 1 antibody; Calpain-1 catalytic subunit antibody; Calpain-1 large subunit antibody; Calpain1 antibody; CAN1_HUMAN antibody; CANP 1 antibody; CANP antibody; CANP small subunit 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-CAPN1 antibody

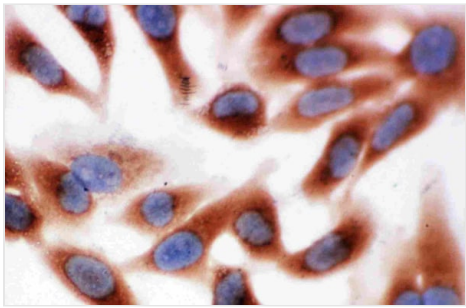
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	714
Applicable Applications for anti-CAPN1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Calpain 1 (312-326aa EWNNVDPYERDQLRV), different from the mouse sequence by two amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

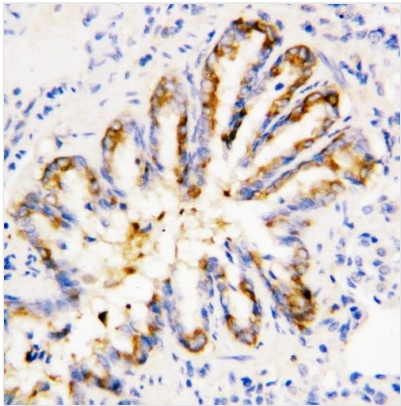
IMAGES



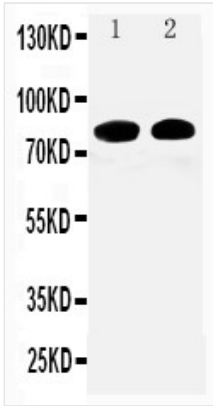
IHC (Immunohistochemistry)
Anti-Calpain 1 antibody, AAA45066, IHC(P)IHC(P): Human Intestinal Cancer Tissue



ICC (Immunocytochemistry)
Anti-Calpain 1 antibody, AAA45066, ICCICC: HELA Cell



IHC (Immunohistochemistry)
Anti-Calpain 1 antibody, AAA45066, IHC(P)IHC(P): Rat Lung Tissue



WB (Western Blot)
Anti-Calpain 1 antibody, AAA45066, Western blottingLane 1: HT1080 Cell LysateLane 2: COLO320 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CAPN1 antibody	Description: Rabbit IgG polyclonal antibody for Calpain-1 catalytic subunit(CAPN1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat. Background: Calpain-1 catalytic subunit is a protein that in humans is encoded by the CAPN1 gene. Calpain is an intracellular protease that requires calcium for its catalytic activity. Two isozymes, calpain I(mu-calpain) and calpain II(m-calpain), with different calcium requirements, have been identified. Both are heterodimers composed of L(large, catalytic, 80 kD) and S(small, regulatory, 30 kD) subunits. The isozymes share an identical S subunit, with the differences arising from the L subunits, L1(CAPN1) and L2. By quantitative RT-PCR, Ueyama et al.(1998) found that expression of calpain-1 and calpain-2 mRNA was significantly increased in muscle biopsy samples derived from 5 men with progressive muscular dystrophy(e.g., DMD; 310200) and 2 men and 3 women with amyotrophic lateral sclerosis(ALS; 105400) compared with controls. Using cDNA clones as probes, Ohno et al.(1989, 1990) assign CANPL1 to chromosome 11.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115574
NCBI GeneID	823
UniProt Accession #	P07384; Q2TTR0; Q6DHV4
NCBI Official Full Name	Calpain-1 catalytic subunit
NCBI Official Synonym Full Names	calpain 1, (mu/I) 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-immunocytochemistry-immunohistochemistry-immunohistochemistry-western-blot-elisa/45066>