

Rabbit CAPN3 Polyclonal Antibody | anti-CAPN3 antibody

CAPN3 Antibody (C-term)

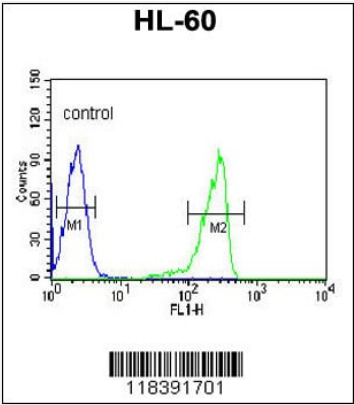
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287833	Rabbit	Human (Predicted Reactivity: Monkey)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

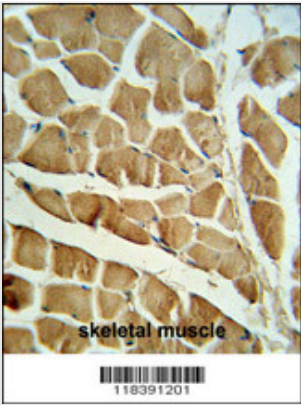
CAPN3; Polyclonal Antibody; CAPN3 Antibody (C-term); Calpain-3; Calcium-activated neutral proteinase 3; CANP 3; Calpain L3; Calpain p94; Muscle-specific calcium-activated neutral protease 3; New calpain 1; nCL-1; CANP3; CANPL3; NCL1; anti-CAPN3 antibody

PRODUCT SPECIFICATIONS

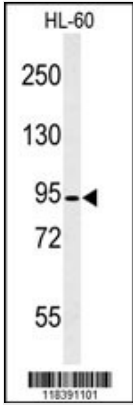
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CAPN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 603-632 amino acids from the C-terminal region of human CAPN3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	603-632
Sequence Length	156
Applicable Applications for anti-CAPN3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
CAPN3 Antibody (C-term) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
CAPN3 Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CAPN3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CAPN3 Antibody (C-term) in HL-60 cell line lysates (35ug/lane). CAPN3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CAPN3 antibody	Calpain, a heterodimer consisting of a large and a small subunit, is a major intracellular protease, although its function has not been well established. This gene encodes a muscle-specific member of the calpain large subunit family that specifically binds to titin. Mutations in this gene are associated with limb-girdle muscular dystrophies type 2A.
Product Categories/Family for anti-CAPN3 antibody	Cell Biology; Signal transduction
References	Charlton, R., et al. Neuromuscul. Disord. 19(7):449-457(2009) Moretti, D., et al. Carcinogenesis 30(6):960-967(2009) Enjuanes, A., et al. Cancer Res. 68(24):10178-10186(2008) Beckmann, J.S., et al. Neuromuscul. Disord. 18(12):913-921(2008) Shirafuji, T., et al. Rinsho Shinkeigaku 48(9):651-655(2008) Diaz, B.G., et al. J. Biol. Chem. 279(26):27656-27666(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557405
NCBI GeneID	825
NCBI Accession #	NP_000061.1; NP_077320.1; NP_775110.1; NP_775111.1; NP_775112.1; NP_775113.1

NCBI GenBank Nucleotide #	NM_000070.2
UniProt Accession #	P20807; Q7L4R0; Q9BQC8; Q9BTU4; Q9Y5S6; Q9Y5S7; A6H8K6
Molecular Weight	94254
NCBI Official Full Name	calpain-3 isoform a
NCBI Official Synonym Full Names	calpain 3, (p94)
NCBI Official Symbol	CAPN3
NCBI Official Synonym Symbols	p94; CANP3; LGMD2; nCL-1; CANPL3; LGMD2A
NCBI Protein Information	calpain-3
UniProt Protein Name	Calpain-3
UniProt Gene Name	CAPN3
UniProt Synonym Gene Names	CANP3; CANPL3; NCL1; CANP 3; nCL-1
UniProt Entry Name	CAN3_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/capn3-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/287833>