

Datasheet for ABIN653774
anti-Calpain 3 antibody (C-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	Calpain 3 (CAPN3)
Binding Specificity:	AA 603-632, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calpain 3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB18391
Isotype:	Ig Fraction
Predicted Reactivity:	Pr
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Calpain 3 (CAPN3)
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Target Details

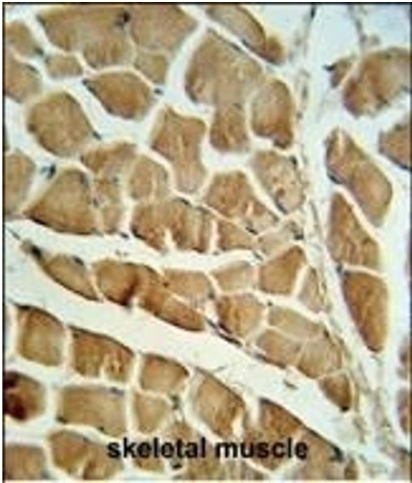
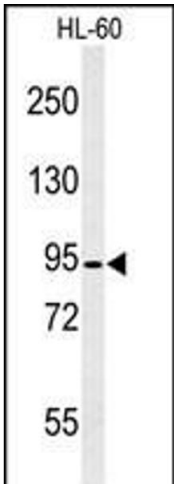
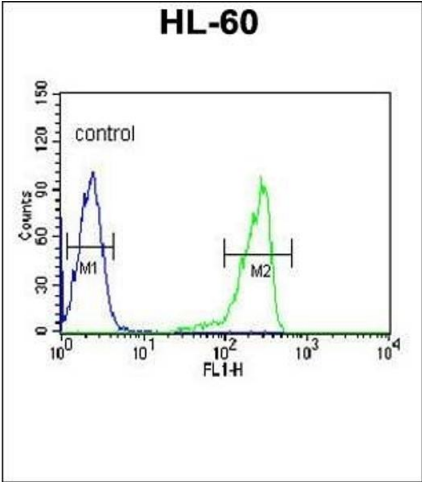
Alternative Name:	CAPN3 (CAPN3 Products)
Background:	Calpain, a heterodimer consisting of a large and a small subunit, is a major intracellular protease, although its function has not been well established. This gene encodes a muscle-specific member of the calpain large subunit family that specifically binds to titin. Mutations in this gene are associated with limb-girdle muscular dystrophies type 2A.
Molecular Weight:	94254
Gene ID:	825
NCBI Accession:	NP_000061 , NP_077320 , NP_775110 , NP_775111 , NP_775112 , NP_775113
UniProt:	P20807
Pathways:	Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. CN3 Antibody (C-term) 9817b 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.

Western Blotting

Image 2. Western blot analysis of CN3 Antibody (C-term) 9817b in HL-60 cell line lysates (35 µg/lane). CN3 (arrow) was detected using the purified Pab.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. CN3 Antibody (C-term) 9817b 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 CN3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.