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Datasheet for ABIN2854395

anti-Calpain 3 antibody (C-Term)

1 Image

Overview

Quantity:	100 µL
Target:	Calpain 3 (CAPN3)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calpain 3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human Calpain 3. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to Calpain 3 (calpain 3, (p94)) Calpain 3 antibody [C2C3], C-term
Purification:	Affinity purified by Protein A.

Target Details

Target:	Calpain 3 (CAPN3)
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Target Details

Alternative Name: calpain 3 ([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. Alternate promoters and alternative splicing result in multiple transcript variants encoding different isoforms and some variants are ubiquitously expressed.

Cellular Localization: Cytoplasm

Molecular Weight: 94 kDa

Gene ID: 825

UniProt: [P20807](#)

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.
Not tested in other applications.

Comment: Positive Control: HeLa

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 2 mg/mL

Buffer: 1XPBS (pH 7), 40 % Glycerol, 0.01 % Thimerosal

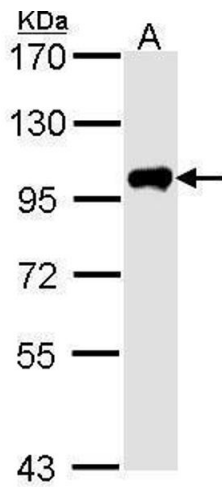
Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A:
Hela 7.5% SDS PAGE Calpain 3 antibody antibody diluted at
1:1000