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Datasheet for ABIN2788627

anti-Calpain 3 antibody (C-Term)

1 Image

Overview

Quantity:	100 µL
Target:	Calpain 3 (CAPN3)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Cow, Sheep, Dog, Horse, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calpain 3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	DRANSKELG VDQSEEEGKG KTSPDKQKQS PQQPQGSSDQ ESEEQQFRN
Predicted Reactivity:	Cow: 79%, Dog: 92%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Rabbit: 86%, Rat: 85%, Sheep: 86%
Characteristics:	This is a rabbit polyclonal antibody against CAPN3. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Calpain 3 (CAPN3)
Alternative Name:	CAPN3 (CAPN3 Products)
Background:	Calpain, a heterodimer consisting of a large and a small subunit, is a major intracellular

Target Details

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.

Alias Symbols: CANP3, CANPL3, LGMD2, LGMD2A, MGC10767, MGC11121, MGC14344, MGC4403, nCL-1, p94

Protein Interaction Partner: WDYHV1, OSGIN1, NECAB2, DYSF, TTN, YWHAQ, CAPN3, FLNC,
Protein Size: 815

Molecular Weight: 93 kDa

Gene ID: 825

NCBI Accession: [NM_024344](#), [NP_077320](#)

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

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 815 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

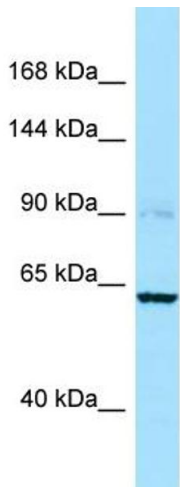
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.



Rabbit Anti-CAPN3 Antibody
Catalog Number: ARP60946
Lot Number: QC31541
Lane: OVCAR-3 Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 6-18%

Western Blotting

Image 1.