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Datasheet for ABIN6137918
anti-Calpain 3 antibody (AA 1-150)

1 Image

Overview

Quantity:	100 µL
Target:	Calpain 3 (CAPN3)
Binding Specificity:	AA 1-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calpain 3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-150 of human CAPN3 (NP_775111.1).
Sequence:	MHGNKQHLQK DFFLYNASKA RSKTYINMRE VSQRFRLPPS EYVIVPSTYE PHQEGEFILR VFSEKRNLS EEVENTISVDR PVKTKTKPI IFVSDRANSN KELGVDQESE EGKGKTSPPDK QKQSPQPQPG SSDQESEEQQ QFRNIFKQIA
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

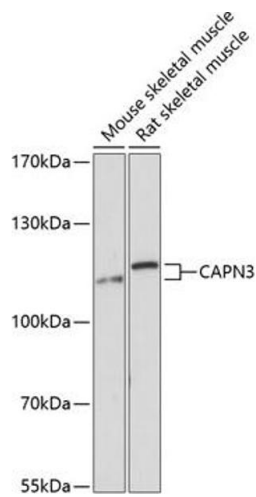
Target:	Calpain 3 (CAPN3)
Alternative Name:	CAPN3 (CAPN3 Products)
Background:	<p>Calpain, a heterodimer consisting of a large and a small subunit, is a major intracellular protease, although its function has not been well established. This gene encodes a muscle-specific member of the calpain large subunit 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.,CAPN3,CANP3,CANPL3,LGMD2,LGMD2A,nCL-1,p94,calpain-3,Signal Transduction,Cell Biology & Developmental Biology,Ubiquitin,Neuroscience,Calcium Signaling,CAPN3</p>
Molecular Weight:	18 kDa/35 kDa/84 kDa/93 kDa/94 kDa
Gene ID:	825
UniProt:	P20807
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using C Antibody (ABIN6127546, ABIN6137918, ABIN6137920 and ABIN6215554) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.