

# CAPN3 rabbit monoclonal antibody

Catalog # H00000825-K      Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human CAPN3 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human CAPN3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human CAPN3 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — CAPN3

Entrez GeneID	<a href="#">825</a>
GeneBank Accession#	<a href="#">CAPN3</a>
Gene Name	CAPN3
Gene Alias	CANP3, CANPL3, LGMD2, LGMD2A, MGC10767, MGC11121, MGC14344, MGC4403, nCL-1, p94
Gene Description	calpain 3, (p94)
Omim ID	<a href="#">114240</a> <a href="#">253600</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000161194 OTTHUMP00000161196 calpain 3 calpain p94, large [catalytic] subunit calpain, large polypeptide L3 muscle-specific calcium-activated neutral protease 3 large subunit

## Disease

- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Muscular Dystrophies](#)