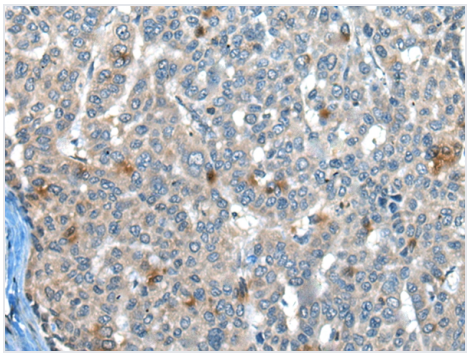
CAPN3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CAPN3, Polyclonal Antibody
Full Product Name	CAPN3 Antibody
Product Gene Name	anti-CAPN3 antibody
Product Synonym Names	p94; CANP3; LGMD2; nCL-1; CANPL3; LGMD2A
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	In pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification
Concentration	2mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total CAPN3 protein.
Preparation and Storage	Store at -20 degree C.
Molecular Weight	18,246 Da
OMIM	X85030 mRNA
3D Structure	ModBase 3D Structure for P20807
Immunogen	Synthetic protein corresponding to residues near the C terminal of human CAPN3
Immunogen Type	Peptide
Product Categories/Family for anti-CAPN3 antibody	Total protein Ab
Applications Tested/Suitable for anti-CAPN3 antibody	Immunohistochemistry (IHC)
Application Notes for anti-CAPN3 antibody	IHC: 1: 30-150
Related Product Information for anti-CAPN3 antibody	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.
Other Notes	Small volumes of anti-CAPN3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CAPN3 purchase	MBS9429548 is an antibody targeting CAPN3. Also known as CAPN3 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-CAPN3 antibody
The image is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 46400(CAPN3 Antibody) at dilution 1/30. (Original magnification: x200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CAPN3. It may not necessarily be applicable to this product.

NCBI GI #	13097608
NCBI GeneID	825
NCBI Accession #	BC003521
UniProt Primary Accession #	P20807
UniProt Secondary Accession #	Q7L4R0; Q9BQC8; Q9BTU4; Q9Y5S6; Q9Y5S7; A6H8K6
UniProt Related Accession #	P20807
NCBI Official Full Name	Homo sapiens calpain 3, (p94), mRNA
NCBI Official Synonym Full Names	calpain 3
NCBI Official Symbol	CAPN3
NCBI Official Synonym Symbols	p94; CANP3; LGMD2; nCL-1; CANPL3; LGMD2A
UniProt Protein Name	Calpain-3
UniProt Synonym Protein Names	Calcium-activated neutral proteinase 3; CANP 3; Calpain L3; Calpain p94; Muscle-specific calcium-activated neutral protease 3; New calpain 1; nCL-1
Protein Family	Calpain
UniProt Gene Name	CAPN3
UniProt Synonym Gene Names	CANP3; CANPL3; NCL1; CANP 3; nCL-1
NCBI Protein Information	calpain-3
UniProt Comments for CAPN3	Calcium-regulated non-lysosomal thiol-protease.
Research Articles on CAPN3	**1.** This study demonstrates that a cluster of patients with Limb-Girdle Muscular Dystrophy Type 2A in a small Mexican village arises from a novel CAPN3 founder mutation.
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