

Rabbit anti-Human CAPN10 Polyclonal Antibody | anti-CAPN10 antibody

CAPN10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324539	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

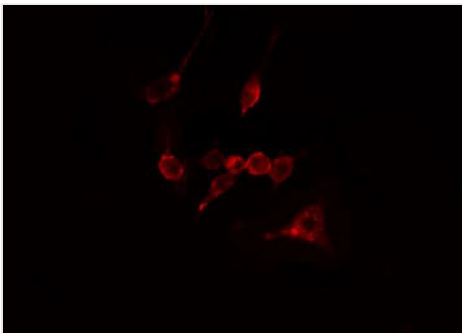
PRODUCT SYNONYMS

CAPN10; Polyclonal Antibody; CAPN10 Antibody; Calcium activated neutral protease; Calcium activated neutral proteinase 10; Calcium-activated neutral proteinase 10; calpain like protease CAPN10; Calpain-10; Calpain10; CAN10_HUMAN; CANP 10; CANP10; CAPN 10; EC 3.4.22.; KIAA1845; NIDDM1; anti-CAPN10 antibody

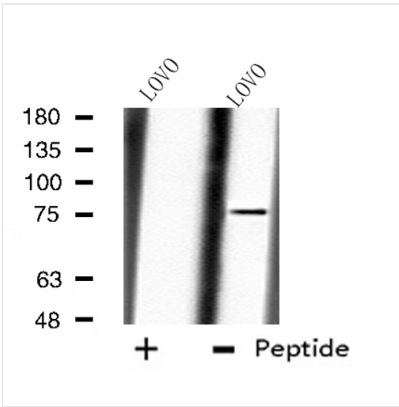
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CAPN10 antibody detects endogenous levels of total CAPN10
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	672
Applicable Applications for anti-CAPN10 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	Detected in primary skeletal muscle cells (at protein level). Ubiquitous.
Predicted Cross Reactivity	Rabbit
Similarity	Rabbit (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324539 staining LOVO cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from LOVO cells, using CAPN10 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CAPN10 antibody	Function: Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. May play a role in insulin-stimulated glucose uptake. Similarity: Belongs to the peptidase C2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13186302
NCBI GeneID	11132
NCBI Accession #	NP_075571.1
NCBI GenBank Nucleotide #	NM_023083.3
UniProt Accession #	Q9HC96; Q4ZFY1; Q8NCD4; Q96IG4; Q96JI2; Q9HC89; Q9HC90; Q9HC91; Q9HC92; Q9HC93; Q9HC94; A8MVS7
Molecular Weight	Observed: 75 kD Predicted: 75 kDa
NCBI Official Full Name	calpain-10 isoform a
NCBI Official Synonym Full Names	calpain 10
NCBI Official Symbol	CAPN10
NCBI Official Synonym Symbols	CANP10; NIDDM1
NCBI Protein Information	calpain-10
UniProt Protein Name	Calpain-10
UniProt Gene Name	CAPN10
UniProt Synonym Gene Names	KIAA1845; CANP 10

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.