

Rabbit CAPN10 Polyclonal Antibody | anti-CAPN10 antibody

CAPN10 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200247	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit	Western Blot

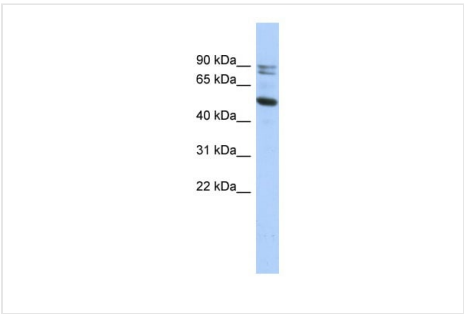
PRODUCT SYNONYMS

CAPN10; Polyclonal Antibody; CAPN10 antibody - N-terminal region; anti-CAPN10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following region: MR AGRGATPARE LFRDAAFPAA DSSLFCDLST PLAQFREDIT WRRPQEIC
Sequence Length	517
Applicable Applications for anti-CAPN10 antibody	WB (Western Blot)
Predicted Homology	Cow: 92%; Dog: 100%; Guinea Pig: 93%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human CAPN10
Protein Size (# AA)	517 amino acids
Protein Interactions	EFNB1; FLOT1; PSMA7; FANCC;
Blocking Peptide	For anti-CAPN10 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
WB Suggested Anti-CAPN10 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:1562500Positive
Control: HT1080 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CAPN10 antibody	This is a rabbit polyclonal antibody against CAPN10. It was validated on Western Blot using a cell lysate as a positive control. Target Description: CAPN10 is the calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large catalytic subunit has four domains: domain I, the N-terminal regulatory domain that is processed upon calpain activation; domain II, the protease domain; domain III, a linker domain of unknown function; and domain IV, the calmodulin-like calcium-binding domain. This gene encodes a large subunit. It is an atypical calpain in that it lacks the calmodulin-like calcium-binding domain and instead has a divergent C-terminal domain. It is similar in organization to calpains 5 and 6. This gene is associated with type 2 or non-insulin-dependent diabetes mellitus (NIDDM) and located within the NIDDM1 region. Multiple alternative transcript variants encoding different isoforms have been described for this gene.
Product Categories/Family for anti-CAPN10 antibody	Polyclonal; E3 & Ubiquitin; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	89353291
NCBI GeneID	11132
NCBI Accession #	NP_075573
NCBI GenBank Nucleotide #	NM_023085
UniProt Accession #	Q9HC96
Molecular Weight	58kDa
NCBI Official Full Name	calpain-10 isoform c
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/capn10-antibody-western-blot-elisa/200247>