

Datasheet for ABIN2784913
anti-CAPN10 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	CAPN10
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rabbit, Dog, Rat, Guinea Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAPN10 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CAPN10
Sequence:	MRAGRGATPA RELFRDAAFP AADSSLFCDL STPLAQFRED ITWRRPQEIC
Predicted Reactivity:	Cow: 92%, Dog: 100%, Guinea Pig: 93%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against CAPN10. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CAPN10
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Target Details

Alternative Name:	CAPN10 (CAPN10 Products)
Background:	<p>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.</p> <p>Alias Symbols: CANP10, NIDDM1</p> <p>Protein Interaction Partner: EFNB1, FLOT1, PSMA7, FANCC,</p> <p>Protein Size: 517</p>
Molecular Weight:	58 kDa
Gene ID:	11132
NCBI Accession:	NM_023085 , NP_075573
UniProt:	Q9HC96
Pathways:	Positive Regulation of Peptide Hormone Secretion

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 517 AA
Restrictions:	For Research Use only

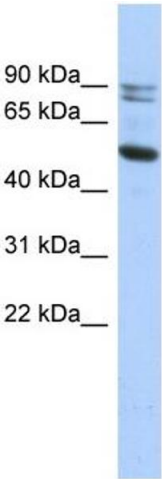
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CAPN10 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: HT1080 cell lysate