

CAPN10 Polyclonal Antibody

Catalog No.	A14108	Category	Polyclonal Antibodies
Applications	WB	Observed MW	Refer to figures
Cross-reactivity	Mouse	Calculated MW	15kDa/29kDa/49kDa/57kDa/60kDa/74kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of human CAPN10 (NP_075571.1).
Gene ID	11132
Swiss prot	Q9HC96
Synonyms	CAPN10; CANP10; NIDDM1; calpain-10

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

Calpains represent a 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 is located within the NIDDM1 region. Multiple alternative transcript variants have been described for this gene.

Recommended Dilutions

WB 1:500 -
1:2000

