



Anti-CAPN10 monoclonal antibody (DCABH-10827)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	A synthetic peptide of human CAPN10 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CAPN10 calpain 10 [Homo sapiens]
Official Symbol	CAPN10
Synonyms	CAPN10; calpain 10; calpain-10; calpain-like protease CAPN10; calcium-activated neutral proteinase 10; CANP10; NIDDM1;
Entrez Gene ID	11132
Protein Refseq	NP_075571
UniProt ID	Q9HC96
Chromosome Location	2q37.3
Pathway	Integrin-mediated cell adhesion, organism-specific biosystem;
Function	SNARE binding; calcium-dependent cysteine-type endopeptidase activity; cytoskeletal protein binding; peptidase activity;