

Calpain 10 rabbit pAb

Cat No.:ES4603

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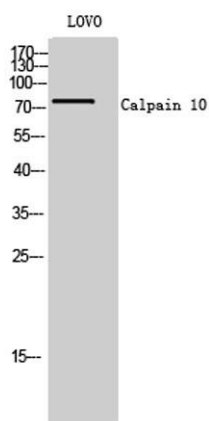
Overview

Product Name	Calpain 10 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	Synthesized peptide derived from the N-terminal region of human Calpain 10.
Specificity	Calpain 10 Polyclonal Antibody detects endogenous levels of Calpain 10 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Calpain-10
Gene Name	CAPN10
Cellular localization	intracellular,cell,mitochondrion,cytosol,plasma membrane,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	75kD
Human Gene ID	11132
Human Swiss-Prot Number	Q9HC96
Alternative Names	CAPN10; KIAA1845; Calpain-10; Calcium-activated neutral proteinase 10; CANP 10
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. [provided by RefSeq,



Western Blot analysis of LOVO cells using Calpain 10 Polyclonal Antibody

