

## Product datasheet for **AP50723PU-N**

### Calpain 3 (CAPN3) (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western blot:</b> 1/50 - 1/100. <b>Immunohistochemistry on paraffin sections:</b> 1/50 - 1/100. <b>Flow cytometric:</b> 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 610~640 amino acids from the C-terminal region of human CAPN
Specificity:	This antibody reacts to CAPN3.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	94254 Da
Gene Name:	calpain 3
Database Link:	<a href="#">Entrez Gene 825 Human P20807</a>



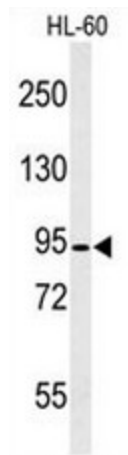
[View online »](#)

**Background:** Calpain, a heterodimer consisting of a large and a small subunit, is a major intracellular protease, although its function has not been well established. This gene encodes a muscle-specific member of the calpain large subunit family that specifically binds to titin. Mutations in this gene are associated with limb-girdle muscular dystrophies type 2A.

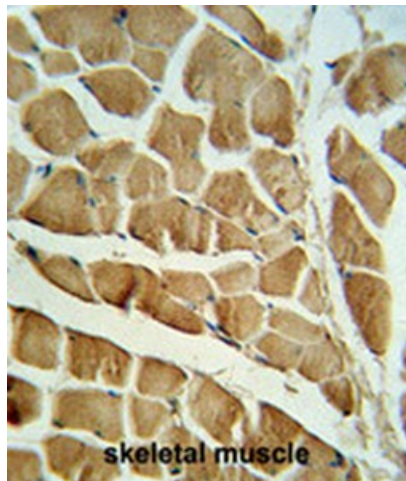
**Synonyms:** Calpain L3, Calpain p94, New calpain 1, CAPN3, CANP3, CANPL3, NCL1

**Protein Families:** Druggable Genome, Protease

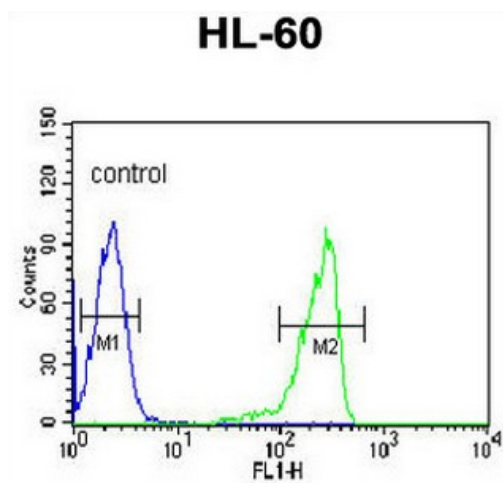
### Product images:



Western blot analysis of Crified Pab.



CAPN3 Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CAPN3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



CAPN3 Antibody (C-term) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.