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Anti-Calpain 3 Antibody

Catalog # AP53804

Product Information

Application	WB, IHC
Primary Accession	P20807
Reactivity	Human, Mouse, Rat, Pig, Bovine, Sheep, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	94254

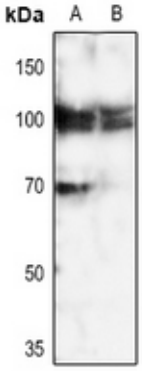
Additional Information

Gene ID	825
Other Names	CANP3; CANPL3; NCL1; Calpain-3; Calcium-activated neutral proteinase 3; CANP 3; Calpain L3; Calpain p94; Muscle-specific calcium-activated neutral protease 3; New calpain 1; nCL-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Calpain 3. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

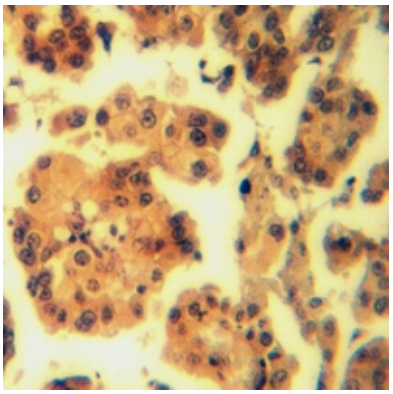
Protein Information

Name	CAPN3 (HGNC:1480)
Synonyms	CANP3, CANPL3, NCL1
Function	Calcium-regulated non-lysosomal thiol-protease. Proteolytically cleaves CTBP1 at 'His-409'. Mediates, with UTP25, the proteasome-independent degradation of p53/TP53 (PubMed:23357851, PubMed:27657329).
Cellular Location	Cytoplasm. Nucleus, nucleolus
Tissue Location	Isoform I is skeletal muscle specific.

Images



Western blot analysis of Calpain 3 expression in mouse muscle (A), rat muscle (B) whole cell lysates. (Predicted band size: 94 kD; Observed band size: 94 kD)



Immunohistochemical analysis of Calpain 3 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.