

Datasheet for ABIN7435265
anti-Calpain 3 antibody (AA 602-821)

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Calpain 3 (CAPN3)
Binding Specificity:	AA 602-821
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calpain 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Calpain 3 (CAPN3)
Immunogen:	Recombinant Calpain 3 (CAPN3) corresponding to Ile602~Ala821
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against CAPN3. It has been selected for its ability to recognize CAPN3 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

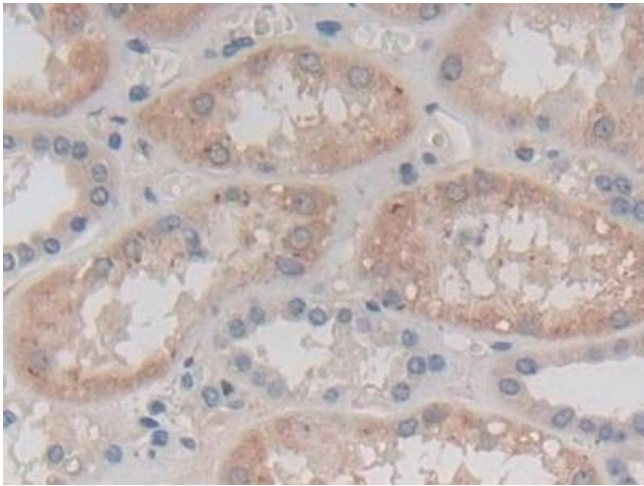
Target:	Calpain 3 (CAPN3)
Alternative Name:	Calpain 3 (CAPN3 Products)
Background:	CANPL3, p94, LGMD2, LGMD2A, nCL1, Calcium-activated neutral proteinase 3, Muscle-specific calcium-activated neutral protease 3, New calpain 1
Pathways:	Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

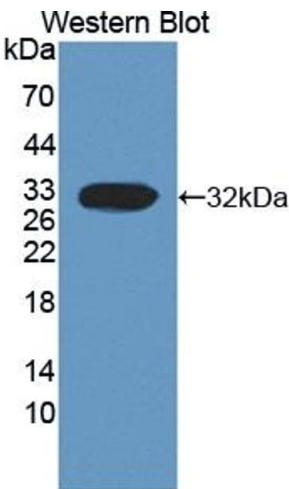
Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



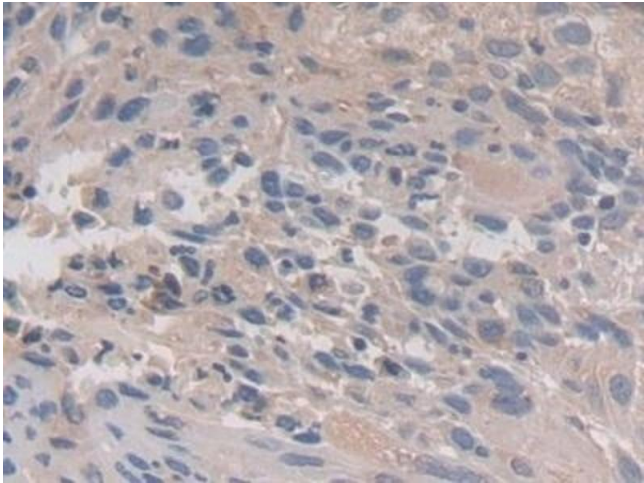
Immunohistochemistry

Image 1. Detection of CAPN3 in Human Kidney Tissue using Polyclonal Antibody to Calpain 3 (CAPN3)



Western Blotting

Image 2. Detection of Recombinant CAPN3, Human using Polyclonal Antibody to Calpain 3 (CAPN3)



Immunohistochemistry

Image 3. Detection of CAPN3 in Human Lung cancer Tissue using Polyclonal Antibody to Calpain 3 (CAPN3)