

Calpain 1 Polyclonal Antibody | anti-CAPN1 antibody

Anti-Calpain 1 Antibody

CATALOG # AAA46325	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	--	---

PRODUCT SYNONYMS

Calpain 1; Polyclonal Antibody; Anti-Calpain 1 Antibody; Calpain-1 catalytic subunit; Ca2 activated neutral protease; Calcium activated neutral proteinase 1; Calcium activated neutral proteinase; Calcium activated neutral proteinase small subunit; Calcium dependent protease small subunit 1; Calcium dependent protease small subunit; Calcium-activated neutral proteinase 1; Calpain 1 (mu/l) large subunit; Calpain 1 catalytic subunit; Calpain 1 large subunit; (mu/l) large subunit; Calpain Large Polypeptide L1; Calpain mu type; Calpain mu-type; Calpain regulatory subunit; Calpain small subunit 1; Calpain; large polypeptide L1; Calpain-1 large subunit; Calpain1; CAN1_HUMAN; CANP 1; CANP; CANP small subunit; CANP1; CANPL 1; CANPL1; CAPN 1; CAPN1; Cell proliferation inducing protein 30; Cell proliferation-inducing gene 30 protein; Micromolar Calpain; Micromolar-calpain; Mu Calpain; muCANP; muCL; calpain 1; anti-CAPN1 antibody

PRODUCT SPECIFICATIONS

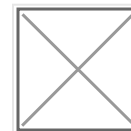
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	714
Applicable Applications for anti-CAPN1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Calpain 1 recombinant protein (Position: Q396-A555). Human Calpain 1 shares 86% amino acid (aa) sequence identity with both mouse and rat Calpain 1.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Calpain1 Picoband antibody, AAA46325, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)

Anti- Calpain1 Picoband antibody, AAA46325, Western blottingAll lanes: Anti Calpain1 (AAA46325) at 0.5ug/mlLane 1: Rat Lung Tissue Lysate at 50ugLane 2: Mouse Lung Tissue Lysate at 50ugLane 3: A549 Whole Cell Lysate at 40ugLane 4: COLO320 Whole Cell Lysate at 40ugLane 5: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 82KDObserved bind size: 82KD

ADDITIONAL INFORMATION

Related Product Information for anti-CAPN1 antibody	Description: Rabbit IgG polyclonal antibody for Calpain-1 catalytic subunit(CAPN1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: CAPN1 is also known as CANP or muCL. The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 1. Several transcript variants encoding two different isoforms have been found for this gene.
References	1. Smith IJ, et al. Calpain activity is increased in skeletal muscle from gastric cancer patients with no or minimal weight loss. Muscle Nerve, 2011 Mar. 2. Wang JC, et al. Proteolysis by endogenous calpain I leads to the activation of calcineurin in human heart. Clin Lab, 2012.

NCBI AND UNIPROT INFORMATION

NCBI GI #	311893363
NCBI GeneID	823
NCBI Accession #	NP_001185797.1
NCBI GenBank Nucleotide #	NM_001198868.1
UniProt Accession #	P07384; Q2TTR0; Q6DHV4
Molecular Weight	81,890 Da
NCBI Official Full Name	calpain-1 catalytic subunit
NCBI Official Synonym Full Names	calpain 1
NCBI Official Symbol	CAPN1
NCBI Official Synonym Symbols	CANP; muCL; CANP1; SPG76; CANPL1; muCANP
NCBI Protein Information	calpain-1 catalytic subunit
UniProt Protein Name	Calpain-1 catalytic subunit
UniProt Gene Name	CAPN1
UniProt Synonym Gene Names	CANPL1; CANP 1; muCANP
UniProt Entry Name	CAN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/calpain-1-antibody-immunohistochemistry-western-blot-elisa/46325>