

Datasheet for ABIN7266034
anti-Calpain 7 antibody (AA 20-220)

3 Images

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Overview

Quantity:	100 µL
Target:	Calpain 7 (CAPN7)
Binding Specificity:	AA 20-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calpain 7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	CAPN7 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 20-220 of human CAPN7 (NP_055111.1).
Sequence:	RDHEGRYSEA VFYYKEAAQA LIYAEMAGSS LENIQEKITE YLERVQALHS AVQSKSADPL KSKHQDLER AHFLVTQAFD EDEKENVEDA IELYTEAVDL CLKTSYETAD KVLQNKLKQL ARQALDRAEA LSEPLTKPVG KISSTSVKPK PPPVRAHFPL GANPFLERPQ SFISPQSCDA QGQRYTAEI EVLRTTSKIN G
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: Calpain 7 (CAPN7)

Alternative Name: CAPN7 ([CAPN7 Products](#))

Background: Calpains are 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 subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The function of the protein encoded by this gene is not known. An orthologue has been found in mouse but it seems to diverge from other family members. The mouse orthologue is thought to be calcium independent with protease activity. [provided by RefSeq, Jul 2008],CALPAIN7,PALBH,CAPN7,calpain-7,Signal Transduction,Cell Biology & Developmental Biology,Ubiquitin,Neuroscience,Calcium Signaling,CAPN7

Molecular Weight: 92kDa

Gene ID: 23473

UniProt: [Q9Y6W3](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

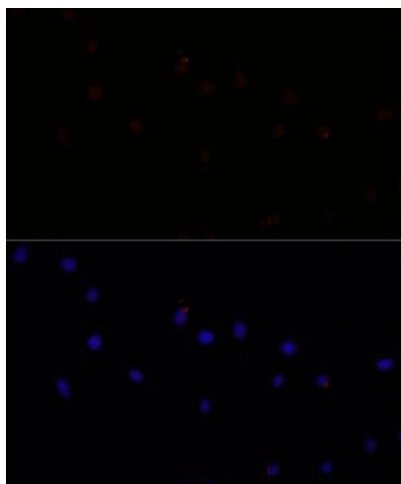
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

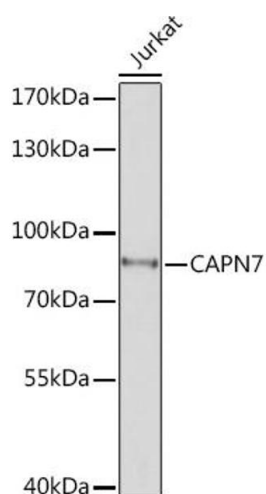
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



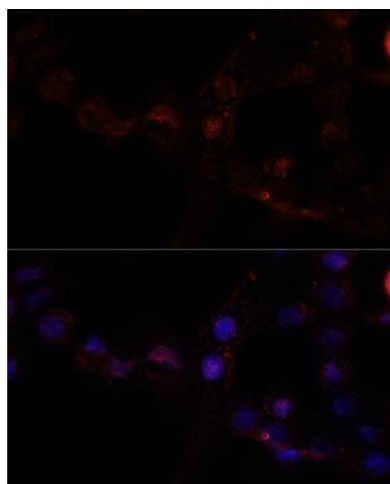
Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using C antibody (ABIN7266034) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of Jurkat cells, using C Rabbit pAb (ABIN7266034) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunofluorescence

Image 3. Immunofluorescence analysis of cells using C antibody (ABIN7266034) at dilution of 1:100. Blue: DAPI for nuclear staining.