

Rabbit CAPN7 Polyclonal Antibody | anti-CAPN7 antibody

CAPN7 Rabbit pAb

CATALOG # AAA281829	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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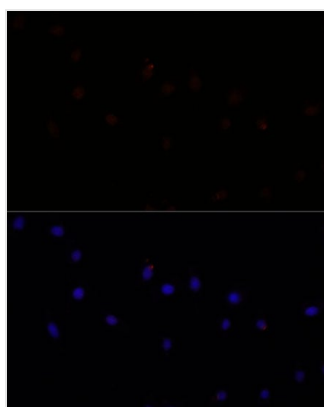
PRODUCT SYNONYMS

CAPN7; Polyclonal Antibody; CAPN7 Rabbit pAb; CALPAIN7; PALBH; calpain-7; anti-CAPN7 antibody

PRODUCT SPECIFICATIONS

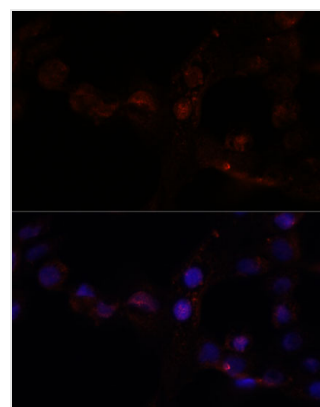
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	RDHEGRYSEA VFYYKEAAQA LIYAEMAGSS LENIQEKITE YLERVQALHS AVQSKSADPL KSKHQDLER AHFLVTQAFD EDEKENVEDA IELYTEAVDL CLKTSYETAD KVLQNKLKQL ARQALDRAEA LSEPLTKPVG KISSTSVKPK PPPVRAHFPL GANPFLERPQ SFISQPSCDA QGQRYTAEI EVLRTTSKIN G
Applicable Applications for anti-CAPN7 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 20-220 of human CAPN7 (NP_055111.1).
Positive Samples	Jurkat
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



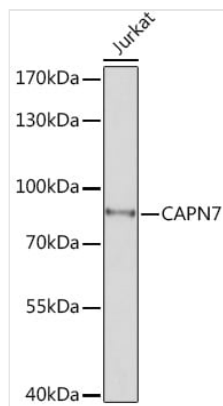
IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using CAPN7 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of A431 cells using CAPN7 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of Jurkat cells, using CAPN7 Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-CAPN7 antibody	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]
Product Categories/Family for anti-CAPN7 antibody	Neuroscience; Calcium Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	41327720
NCBI GeneID	23473
NCBI Accession #	NP_055111.1
NCBI GenBank Nucleotide #	NM_014296
UniProt Accession #	Q9Y6W3
Molecular Weight	92,652 Da
NCBI Official Full Name	Homo sapiens calpain 7 (CAPN7), mRNA
NCBI Official Synonym Full Names	calpain 7
NCBI Official Symbol	CAPN7
NCBI Official Synonym Symbols	PALBH; CALPAIN7
NCBI Protein Information	calpain-7; calpain like protease; homolog of Aspergillus Nidulans PALB; palB homolog
UniProt Protein Name	Calpain-7
UniProt Gene Name	CAPN7
UniProt Synonym Gene Names	PALBH; PalBH

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.

