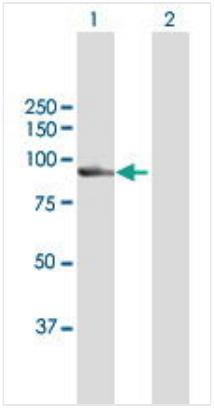
CAPN7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CAPN7, Polyclonal Antibody
Full Product Name	CAPN7 (Calpain-7, PalB Homolog, PalBH, PALBH) (HRP)
Product Gene Name	anti-CAPN7 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CAPN7.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
3D Structure	ModBase 3D Structure for Q9Y6W3
Immunogen	Full length human CAPN7, aa1-813 (NP_055111.1).
Immunogen Sequence	MDATALERDAVQFARLAVQRDHEGRYSEAVFYYKEAAQALIYAEMAGSSLENIQEKITEYLERVQALHSAVQSKSADPLKSKHQLDLERAHFLVTQAFDEI
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-CAPN7 antibody	Antibodies; Calpain
Applications Tested/Suitable for anti-CAPN7 antibody	Western Blot (WB)
Application Notes for anti-CAPN7 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CAPN7 antibody	MBS6372216 is an antibody targeting CAPN7. Also known as CAPN7 (Calpain-7, PalB Homolog, PalBH, PALBH) (HRP). Reactive in Human. Host: Ra
Other Notes	Small volumes of anti-CAPN7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces



Western Blot (WB) of anti-CAPN7 antibody
Western Blot analysis of CAPN7 expression in transfected 293T cell line by CAPN7 polyclonal antibody. Lane 1: CAPN7 transfected lysate (92.7kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CAPN7. It may not necessarily be applicable to this product.

NCBI GI #	41327720
NCBI GeneID	23473
NCBI Accession #	NM_014296.2
UniProt Primary Accession #	Q9Y6W3
UniProt Related Accession #	Q9Y6W3
GenBank Nucleotide #	NM_014296.2
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
UniProt Protein Name	Calpain-7
UniProt Synonym Protein Names	PalB homolog; PalBH
Protein Family	Calpain
UniProt Gene Name	CAPN7
UniProt Synonym Gene Names	PALBH; PalBH
NCBI Protein Information	calpain-7
NCBI Summary for CAPN7	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]
UniProt Comments for CAPN7	Calcium-regulated non-lysosomal thiol-protease.
Research Articles on CAPN7	**1.** The proteolytic activity of CAPN7 is important for the acceleration of EGFR degradation via the endosomal sorting pathway.

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