

For Research Use Only

# Calpain 7 Polyclonal antibody

Catalog Number: 26985-1-AP

Featured Product

3 Publications



## Basic Information

<b>Catalog Number:</b> 26985-1-AP	<b>GenBank Accession Number:</b> BC056202	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 23473	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Source:</b> Rabbit	<b>Full Name:</b> calpain 7	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 93 kDa	
<b>Immunogen Catalog Number:</b> AG25574	<b>Observed MW:</b> 92 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, HeLa cells, rat brain tissue
<b>Cited Applications:</b> IF, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	

## Background Information

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. Calpain 7 (also known as PalBH) is a mammalian homologue of the *Aspergillus*, atypical calpain PalB. It is a unique intracellular cysteine protease that has a tandem repeat of microtubule interacting and trafficking (MIT) domains and lacks a penta-EF-hand domain.

## Notable Publications

Author	Pubmed ID	Journal	Application
Dawn M Wenzel	36107470	Elife	WB,IF
Shengkai Zuo	29335338	EMBO Mol Med	WB
Elliott L Paine	37772788	Elife	WB,IF

## Storage

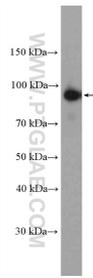
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 26985-1-AP (Calpain 7 antibody at dilution of 1:3000 incubated at room temperature for 1.5 hours.