

For Research Use Only

# CAPN5 Polyclonal antibody

Catalog Number: 29809-1-AP



## Basic Information

<b>Catalog Number:</b> 29809-1-AP	<b>GenBank Accession Number:</b> BC018123	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 726	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> calpain 5	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 640 aa, 73 kDa	
<b>Immunogen Catalog Number:</b> AG30479	<b>Observed MW:</b> 65-73 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, mouse colon tissue
<b>Species Specificity:</b> Human, Mouse	

## Background Information

Calpain-5 is a protein that in humans is encoded by the CAPN5 gene. Calpains are calcium-dependent cysteine proteases involved in signal transduction in a variety of cellular processes. A functional calpain protein consists of an invariant small subunit and 1 of a family of large subunits. CAPN5 is one of the large subunits. Unlike some of the calpains, CAPN5 and CAPN6 lack a calmodulin-like domain IV. Because of the significant similarity to *Caenorhabditis elegans* sex determination gene tra-3, CAPN5 is also called HTRA3.

## Storage

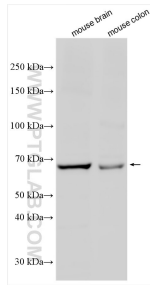
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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](mailto:proteintech@ptglab.com) W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29809-1-AP (CAPN5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.