

For Research Use Only

CAPN5 Polyclonal antibody

Catalog Number: 29809-1-AP



Basic Information

Catalog Number:

29809-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30479

GenBank Accession Number:

BC018123

GeneID (NCBI):

726

UNIPROT ID:

O15484

Full Name:

calpain 5

Calculated MW:

640 aa, 73 kDa

Observed MW:

65-73 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, Mouse

Positive Controls:

WB : mouse brain tissue, A431 cells, mouse colon tissue, A549 cells, HEK-293 cells, HeLa cells, HepG2 cells, SH-SY5Y cells, SKOV-3 cells, Y79 cells

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:

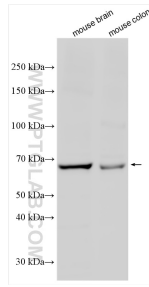
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E: proteintech@ptglab.com

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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.