

# CAPN5 Polyclonal antibody

Catalog Number: 29809-1-AP

## Basic Information

**Catalog Number:**

29809-1-AP

**Size:**

500 µg/ml

**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:**

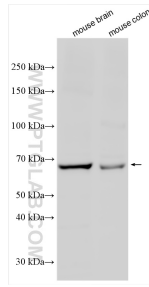
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.