

# CAPNS1 Rabbit Polyclonal Antibody



CAB6539

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

28kDa

### Calculated MW:

28kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:100 IF 1:50 - 1:100

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene is a member of the calpain small subunit family. Calpains are calcium-dependent cysteine proteinases that are widely distributed in mammalian cells. Calpains operate as heterodimers, comprising a specific large catalytic subunit (calpain 1 subunit in Calpain I, and calpain 2 subunit in Calpain II), and a common small regulatory subunit encoded by this gene. This encoded protein is essential for the stability and function of both calpain heterodimers, whose proteolytic activities influence various cellular functions including apoptosis, proliferation, migration, adhesion, and autophagy. Calpains have been implicated in neurodegenerative processes, such as myotonic dystrophy. A pseudogene of this gene has been defined on chromosome 1. Alternative splicing results in multiple transcript variants.

## Immunogen information

### Gene ID:

826

### Uniprot

P04632

### Synonyms:

CAPNS1; CALPAIN4; CANP; CANPS; CAPN4; CDPS; CSS1

### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 69-268 of human CAPNS1 (NP\_001740.1).

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

