

CAPNS1

Reactivity:Human Mouse Rat

Tested applications:WB

Recommended Dilution:WB 1:200 - 1:1000

Calculated MW:28kDa

Observed MW:Refer to figures

Immunogen:

Recombinant protein of human CAPNS1

Storage Buffer:

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

Synonym:

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

Catalog #:A2672

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:826

Isotype:IgG

Swiss Prot:P04632

Purity:Affinity purification

For research use only.

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.

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