

## CAPNS1

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**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:**

30K; CANP; CDPS; CSS1; CANPS; CAPN4; CALPAIN4;

**Background:**

Calpains are a ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. Calpain families have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. Calpain I and II are heterodimeric with distinct large subunits associated with common small subunits, all of which are encoded by different genes. This gene encodes a small subunit common to both calpain I and II and is associated with myotonic dystrophy. Two transcript variants encoding the same protein have been identified for this gene.

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**Catalog #:**A6539

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**826

**Isotype:**IgG

**Swiss Prot:**P04632

**Purity:**Affinity purification

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