

## CAPNS1 Antibody

Catalog No: #31040

Package Size: #31040-1 50ul #31040-2 100ul

Orders: order@signalwayantibody.com

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## Description

Product Name	CAPNS1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total CAPNS1 protein.
Immunogen Type	Recombinant protein
Immunogen Description	Fusion protein corresponding to a region derived from 91-268 amino acids of human calpain, small subunit 1
Target Name	CAPNS1
Other Names	calpain, small subunit 1, 30K, CANP, CDPS, CSS1, CANPS, CAPN4, CALPAIN4
Accession No.	Swiss-Prot:P04632Gene ID:826;
Uniprot	P04632
GeneID	826;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C/1 year

## Application Details

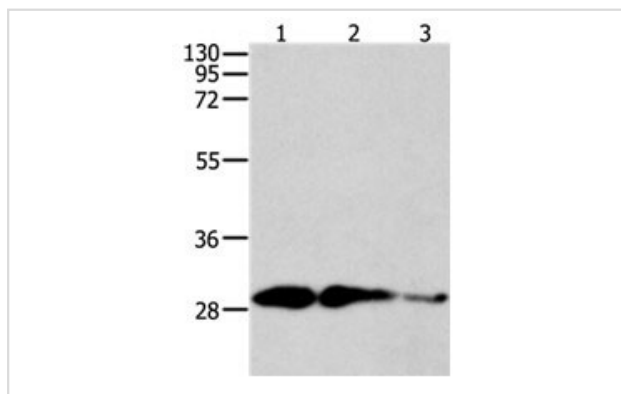
Predicted MW: 28kd

ELISA: 1:1000-1:2000

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

## Images



Gel: 12%SDS-PAGE

Lane1: Mouse spleen tissue lysate

Lane2: K562 cell lysate

Lane3: NIH/3T3 cell lysate

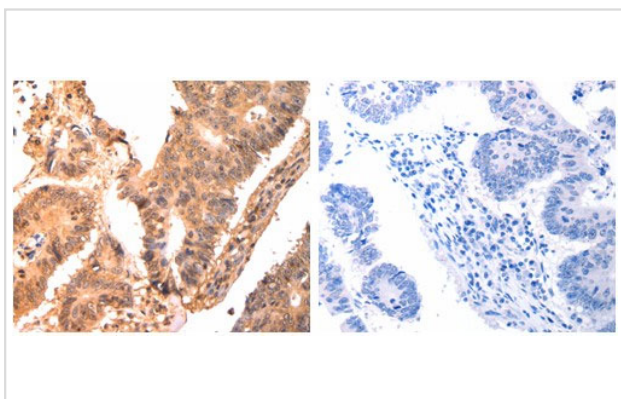
Lysates: 60 ug per lane

Primary antibody: 1/200 dilution

Secondary antibody: Goat anti Rabbit IgG - H&amp;L (HRP) at

1/10000 dilution

Exposure time: 15 seconds



The image on the left is immunohistochemistry of paraffin-embedded human colon cancer tissue using 31040 (CAPNS1 Antibody) at dilution 1/15, on the right is treated with the fusion protein.

## 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.

Note: This product is for in vitro research use only