

Rabbit anti-Human, Mouse CAPNS1 Polyclonal Antibody | anti-CAPNS1 antibody

CAPNS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301960	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

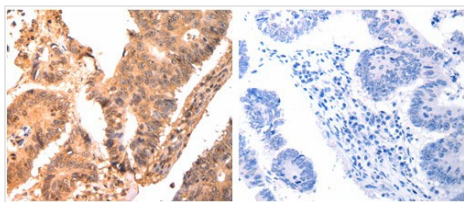
PRODUCT SYNONYMS

CAPNS1; Polyclonal Antibody; CAPNS1 Antibody; calpain; small subunit 1; 30K; CANP; CDPS; CSS1; CANPS; CAPN4; CALPAIN4; anti-CAPNS1 antibody

PRODUCT SPECIFICATIONS

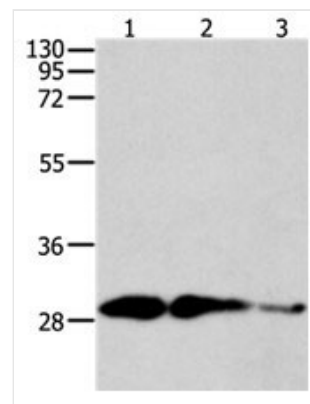
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total CAPNS1 protein.
Form/Format	Supplied at 0.5mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	1403
Applicable Applications for anti-CAPNS1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
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
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

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.



Application Data

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&L (HRP) at 1/10000 dilution Exposure time: 15 seconds

ADDITIONAL INFORMATION

Related Product Information for anti-CAPNS1 antibody	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.
Product Categories/Family for anti-CAPNS1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	33875613
NCBI GeneID	826
Molecular Weight	28,316 Da
NCBI Official Full Name	Homo sapiens calpain, small subunit 1, mRNA
NCBI Official Synonym Full Names	calpain, small subunit 1
NCBI Official Symbol	CAPNS1
NCBI Official Synonym Symbols	CANP; CDPS; CSS1; CANPS; CAPN4; CALPAIN4
NCBI Protein Information	calpain small subunit 1
UniProt Protein Name	Calpain small subunit 1
UniProt Gene Name	CAPNS1
UniProt Synonym Gene Names	CAPN4; CAPNS; CSS1; CANP small subunit; CDPS
UniProt Entry Name	CPNS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/capns1-antibody-immunohistochemistry-western-blot-elisa/301960>