

Anti-CAPNS2 Antibody

Catalog # AP60145

Product Information

Application	WB, IF/IC
Primary Accession	Q96L46
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27660

Additional Information

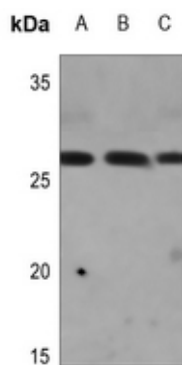
Gene ID	84290
Other Names	Calpain small subunit 2; CSS2; Calcium-dependent protease small subunit 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CAPNS2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

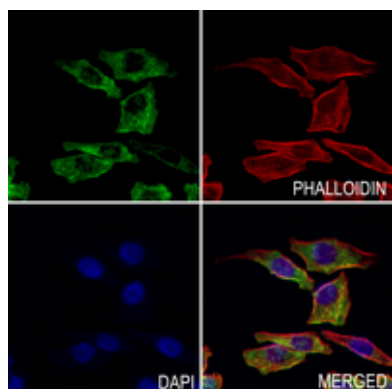
Name	CAPNS2
Function	Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. This small subunit may act as a tissue-specific chaperone of the large subunit, possibly by helping it fold into its correct conformation for activity.
Cellular Location	Cytoplasm. Cell membrane. Note=Translocates to the plasma membrane upon calcium binding.

Images

Western blot analysis of CAPNS2 expression in HEK293T (A), A549 (B), H1792 (C) whole cell lysates. (Predicted



band size: 27 kD; Observed band size: 28 kD)



Immunofluorescent analysis of CAPNS2 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.