Anti-CAN1 antibody

Description	Unconjugated Rabbit polyclonal to CAN1

Model	STJ192952
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	823
Gene Symbol	CAPN1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	CAN1 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Ubiquitous.
Purification	CAN1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Calpain-1 catalytic subunit Calcium-activated neutral proteinase 1 CANP 1 Calpain mu-type Calpain-1 large subunit Cell proliferation-inducing gene 30 protein Micromolar-calpain muCANP
Molecular Weight	78 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1476OMIM:114220
Alternative Names	Calpain-1 catalytic subunit Calcium-activated neutral proteinase 1 CANP 1 Calpain mu-type Calpain-1 large subunit Cell proliferation-inducing gene 30 protein Micromolar-calpain muCANP
Function	Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.
Cellular Localization	Cytoplasm Cell membrane. Translocates to the plasma membrane upon Ca(2+) binding. In granular keratinocytes and in lower corneocytes, colocalizes with FLG and FLG2 .
Post-translational Modifications	Undergoes calcium-induced successive autoproteolytic cleavages that generate a membrane-bound 78 kDa active form and an intracellular 75 kDa active form. Calpastatin reduces with high efficiency the transition from 78 kDa to 75 kDa calpain forms.