

CAN1 Rabbit pAb

CatalogNo: YN2848

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 78kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from part region of human protein

Specificity CAN1 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name CAPN1 CANPL1 PIG30

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)

Organism	Gene ID	UniProt ID
Human	823 ;	P07384 ;
Mouse		O35350 ;
Rat		P97571 ;

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 (PubMed:21531719). .

Tissue specificity Ubiquitous.

Function Catalytic activity:Broad endopeptidase specificity.,cofactor:Binds 3 calcium ions.,enzyme regulation:Activated by micromolar concentrations of calcium and inhibited by calpastatin.,Function:Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.,online information:Calpain,similarity:Belongs to the peptidase C2 family.,similarity:Contains 1 calpain catalytic domain.,similarity:Contains 4 EF-hand domains.,subcellular location:Translocates to the plasma membrane upon Ca(2+) binding.,subunit:Forms a heterodimer with a small (regulatory) subunit (CAPNS1),tissue specificity:Ubiquitous.,

Validation Data

Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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CAN1 Rabbit pAb

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