

CAPN1 Rabbit pAb

CAPN1 Rabbit pAb
Catalog # AP94625

Product Information

Application	IHC-P, IHC-F, IF
Reactivity	Rat, Human, Mouse
Predicted	Pig, Chicken, Sheep
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse Calpain 1
Epitope Specificity	625-713/713
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Cell membrane. Translocates to the plasma membrane upon Ca(2+) binding.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 1. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]

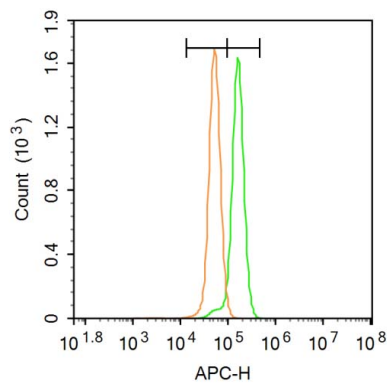
Additional Information

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=3ug/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Blank control: A431.

Primary Antibody (green line): Rabbit Anti-Calpain 1 antibody (AP94625)

Dilution: 1 μg / 10^6 cells;

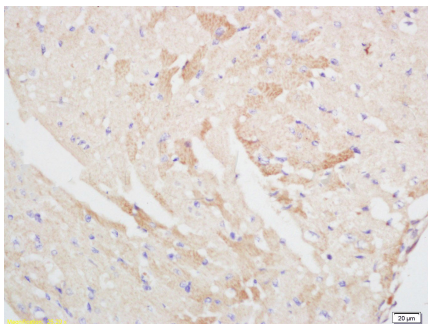
Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody: Goat anti-rabbit IgG-AF647

Dilution: 1 μg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 20% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Tissue/cell: mouse heart tissue; 4%

Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling

bathing for 15min; Block endogenous peroxidase by 3%

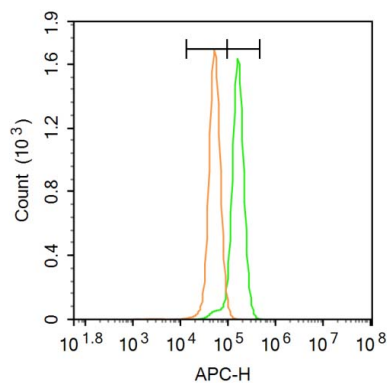
Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min;

Incubation: Anti-Calpain 1 Polyclonal Antibody,

Unconjugated (AP94625) 1:200, overnight at 4°C, followed

by conjugation to the secondary antibody (SP-0023) and

DAB (C-0010) staining



Blank control: A431. Primary Antibody (green line): Rabbit

Anti-Calpain 1 antibody (AP94625) Dilution: 1 μg / 10^6

cells; Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution:

1 μg /test. Protocol The cells were fixed with 4% PFA

(10min at room temperature) and then permeabilized

with 20% PBST for 20 min at room temperature. The cells

were then incubated in 5% BSA to block non-specific

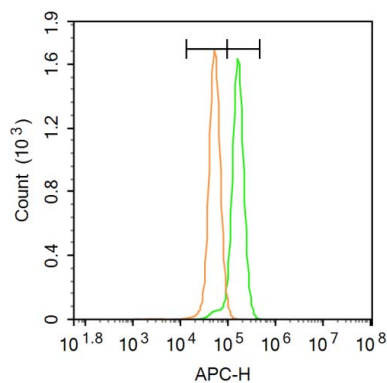
protein-protein interactions for 30 min at room

temperature. Cells stained with Primary Antibody for 30

min at room temperature. The secondary antibody used

for 40 min at room temperature. Acquisition of 20,000

events was performed.



Blank control: A431. Primary Antibody (green line): Rabbit

Anti-Calpain 1 antibody (AP94625) Dilution: 1 μg / 10^6

cells; Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution:

1 μg /test. Protocol The cells were fixed with 4% PFA

(10min at room temperature) and then permeabilized

with 0.1% PBST for 20 min at room temperature. The cells

were then incubated in 5% BSA to block non-specific

protein-protein interactions for 30 min at room

temperature. Cells stained with Primary Antibody for 30

min at room temperature. The secondary antibody used

for 40 min at room temperature. Acquisition of 20,000

events was performed.

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