

Calpain 2 Rabbit mAb

Catalog No: #59517

Package Size: #59517-1 50ul #59517-2 100ul

Description

Product Name	Calpain 2 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human Mouse Rat
Specificity	Calpain 2 Antibody detects endogenous levels of total Calpain 2
Immunogen Description	A synthesized peptide derived from human Calpain 2
Other Names	CALP80; Calpain M type; Calpain-2 large subunit; Calpain2; CANP2; CANPL2; CANPml; Capa2; CAPN2; M calpain; mCANP; Millimolar calpain;
Accession No.	Uniprot:P17655
Calculated MW	Predicted band size: 80 kDa
SDS-PAGE MW	Observed band size: 80 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

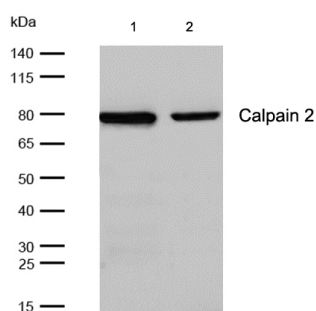
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



All lanes: Calpain 2 Rabbit mAb at 1/1k dilution

Lane 1 : A431 whole cell lysates Lane 2 : SH-SY5Y whole cell lysates

Lysates/proteins at 20 µg per lane.

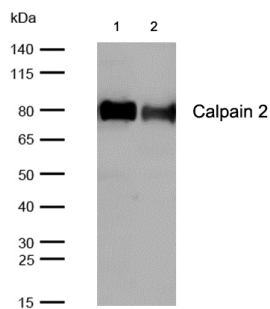
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 80 kDa

Observed band size: 80 kDa

Exposure time: 4 seconds



All lanes: Calpain 2 Rabbit mAb at 1/1k dilution

Lane 1 : Mouse brain lysates Lane 2 : Rat brain lysates

Lysates/proteins at 20 µg per lane.

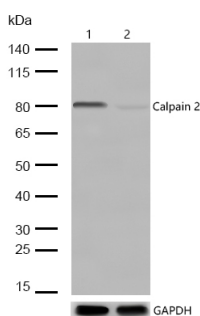
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 80 kDa

Observed band size: 80 kDa

Exposure time: 3 seconds

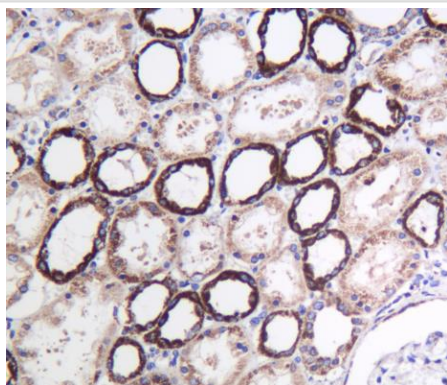


All lanes: Calpain 2 Rabbit mAb at 1/1k dilution

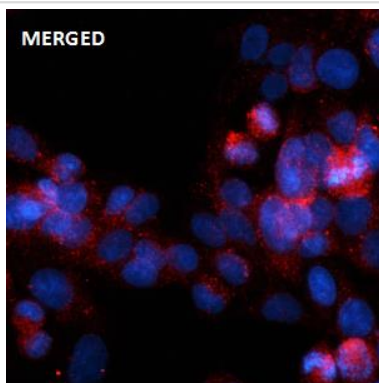
Lane 1 : Wild-type HCT116 cell lysate

Lane 2 : Calpain 2 Rabbit mAb knockdown HCT116 cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human kidney tissue stained for Calpain 2 using 59517 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Calpain 2 antibody (59517) ICC/IF staining of Calpain 2 in HepG2 cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 59517 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

Background

Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.