

## Calpain 2 Rabbit mAb

Catalog No: #49593



Package Size: #49593-1 50ul #49593-2 100ul

Orders: order@signalwayantibody.com

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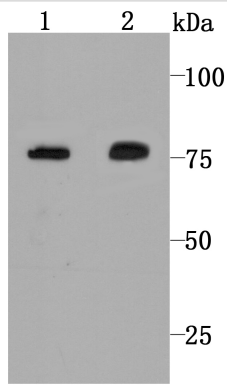
## Description

Product Name	Calpain 2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JA43-41
Purification	ProA affinity purified
Applications	WB, ICC, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Calcium activated neutral proteinase 2 antibody Calcium activated neutral proteinase antibody Calcium-activated neutral protease 2, catalytic subunit antibody Calcium-activated neutral proteinase 2 antibody CALP80 antibody Calpain 2 (m/II) large subunit antibody Calpain 2 catalytic subunit antibody Calpain 2 large catalytic subunit antibody Calpain 2 large subunit antibody Calpain 2, large [catalytic] subunit antibody Calpain large polypeptide L2 antibody Calpain M type antibody Calpain M-type antibody Calpain-2 catalytic subunit antibody Calpain-2 large subunit antibody Calpain2 antibody CAN2_HUMAN antibody CANP 2 antibody CANP L2 antibody CANP2 antibody CANPL 2 antibody CANPL2 antibody CANPml antibody Capa2 antibody CAPN 2 antibody CAPN2 antibody FLJ39928 antibody M calpain antibody M calpain antibody M type antibody M-calpain antibody mCANP antibody Millimolar calpain antibody Millimolar-calpain antibody
Accession No.	Swiss-Prot#:P17655
Uniprot	P17655
GeneID	824;
Calculated MW	80 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

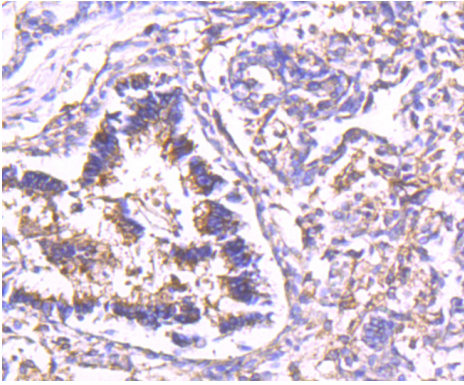
## Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200

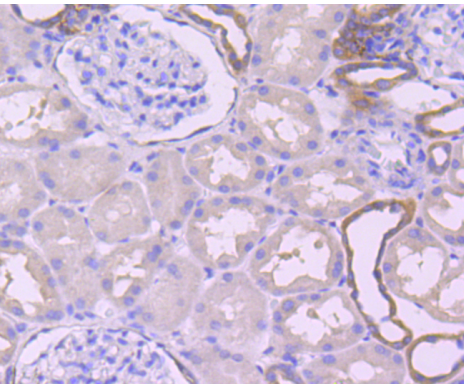
## Images



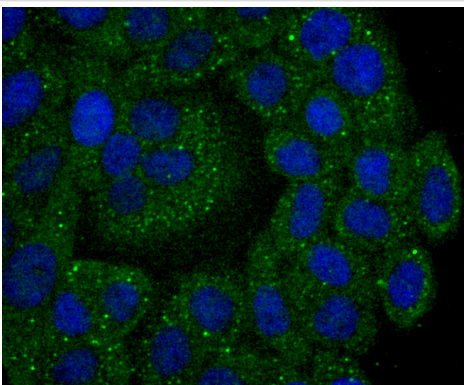
Western blot analysis of Calpain 2 on Hela cell (1) and rat skin tissue (2) lysate using anti-Calpain 2 antibody at 1/1,000 dilution.



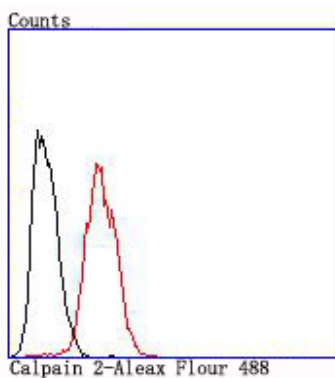
Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-Calpain 2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Calpain 2 antibody. Counter stained with hematoxylin.



ICC staining Calpain 2 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with Calpain 2 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

## Background

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Calpain, an intracellular calcium-dependent protease that cleaves cytoskeletal and submembranous proteins, is thought to play a role in cytoskeletal reorganization and muscle protein degradation. Calpain exists as a heterodimer composed of a small regulatory subunit and one of three large catalytic subunits, designated Calpain 1, Calpain 2 and Calpain p94. Calpastatin regulates calpain by inhibiting both the proteolytic activity of calpain and its binding to membranes. Calpastatin exists in two types, tissue type and erythrocyte type, resulting from both alternative splicing and proteolytic processing.

## References

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Note: This product is for in vitro research use only