

Rabbit Calpain 2 Monoclonal Antibody | anti-CAPN2 antibody

Calpain 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312521	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunocytochemistry, Western Blot

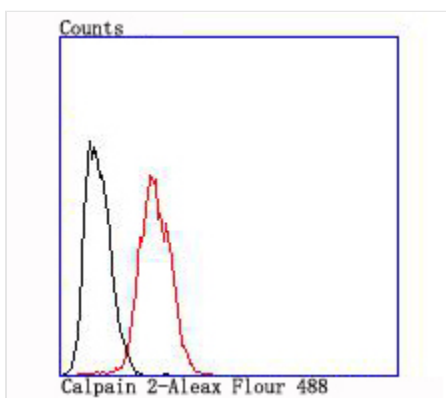
PRODUCT SYNONYMS

Calpain 2; Monoclonal Antibody; Calpain 2 Antibody; 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; 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 calpin antibody; M type antibody; M-calpain antibody; mCANP antibody; Millimolar calpain antibody; Millimolar-calpain antibody; anti-CAPN2 antibody

PRODUCT SPECIFICATIONS

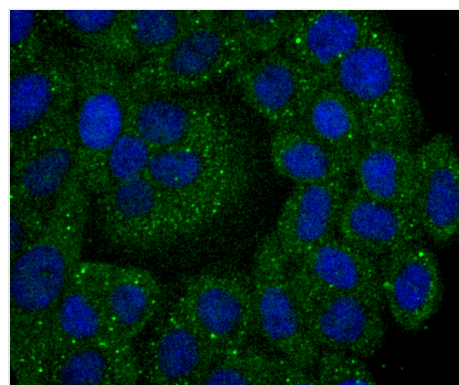
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JA43-41
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CAPN2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



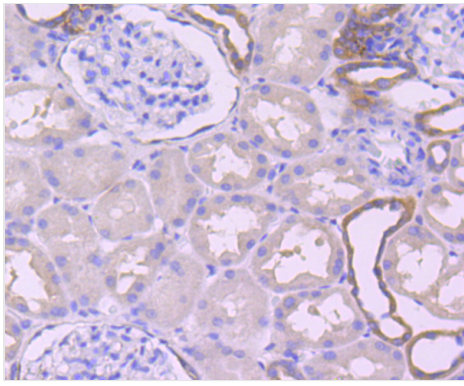
FCM/FACS (Flow Cytometry)

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).



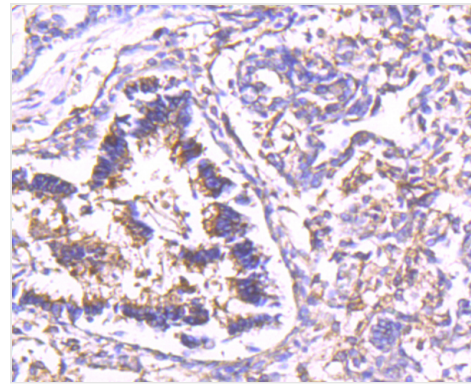
ICC (Immunocytochemistry)

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.



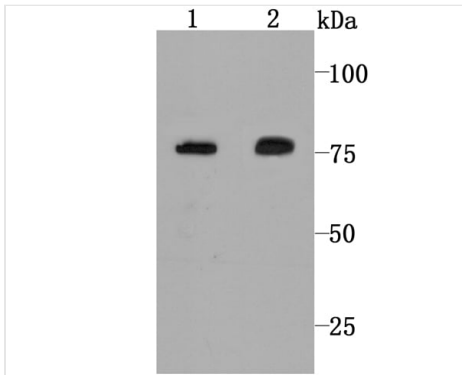
IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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



WB (Western Blot)

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.

ADDITIONAL INFORMATION

Related Product Information for anti-CAPN2 antibody

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.

Product Categories/Family for anti-CAPN2 antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	225703100
NCBI GeneID	824
NCBI Accession #	NP_001139540.1
NCBI GenBank Nucleotide #	NM_001146068.1
UniProt Accession #	P17655 ; Q16738 ; Q6PJT3 ; Q8WU26 ; Q9HBB1 ; A6NDG7 ; B7ZA96 ; E7ES58
Molecular Weight	79,995 Da
NCBI Official Full Name	calpain-2 catalytic subunit isoform 2
NCBI Official Synonym Full Names	calpain 2, (m/II) large subunit
NCBI Official Symbol	CAPN2

NCBI Official Synonym Symbols	CANP2; mCANP; CANPL2; CANPml
NCBI Protein Information	calpain-2 catalytic subunit; CANP 2; M-calpain; calpain M-type; millimolar-calpain; calpain-2 large subunit; calpain 2, large subunit; calpain large polypeptide L2; calpain, large polypeptide L2; calpain 2, large [catalytic] subunit; calcium-activated neu
UniProt Protein Name	Calpain-2 catalytic subunit
UniProt Gene Name	CAPN2
UniProt Synonym Gene Names	CANPL2; CANP 2; M-calpain
UniProt Entry Name	CAN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/calpain-2-antibody-clone-ja43-41-flow-cytometry-immunohistochemistry-immunocytochemistry-western-blot-elisa/312521>