

Anti-CAPN2 Antibody (6Z187)

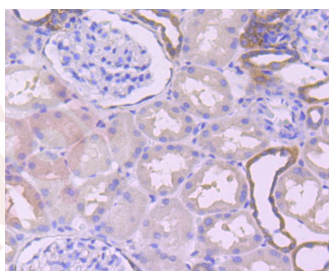
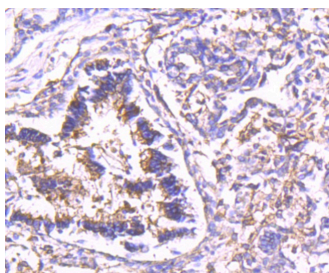
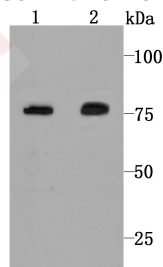
Product Details

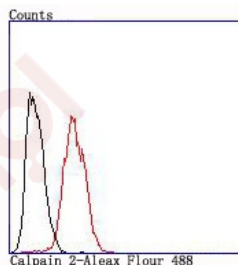
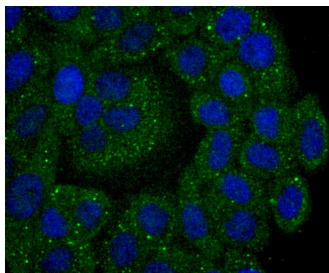
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 80 kDa.
Clone:	6Z187
Purification:	ProA affinity purified

Applications

Verified Activity:

1. 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.
2. Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-Calpain 2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Calpain 2 antibody. Counter stained with hematoxylin.
4. 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.
5. 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).





Application: FCM,ICC,IHC,WB
Recommended WB: 1:500-2000; IHC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein
Uniprot ID: P17655

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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