

Datasheet for ABIN4907387

anti-Calpain 2 antibody**2** Images[Go to Product page](#)

Overview

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|--------------|---|
| Quantity: | 100 µL |
| Target: | Calpain 2 (CAPN2) |
| Reactivity: | Human, Mouse |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This Calpain 2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS) |

Product Details

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|-------------------|---|
| Immunogen: | This CAPN2 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between amino acids from the human region of human CAPN2. |
| Clone: | 1C1 |
| Isotype: | IgG2b |
| Cross-Reactivity: | Human, Mouse |
| Purification: | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS. |

Target Details

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|-------------------|--|
| Target: | Calpain 2 (CAPN2) |
| Alternative Name: | CAPN2 (CAPN2 Products) |

Target Details

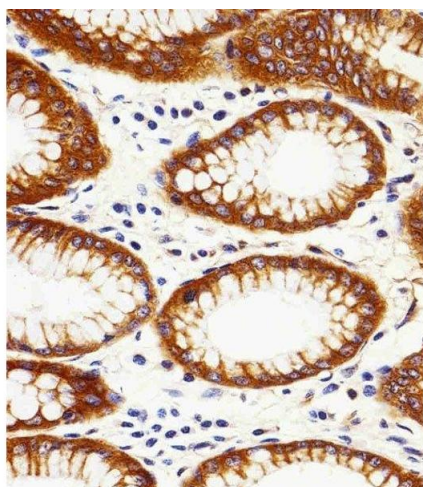
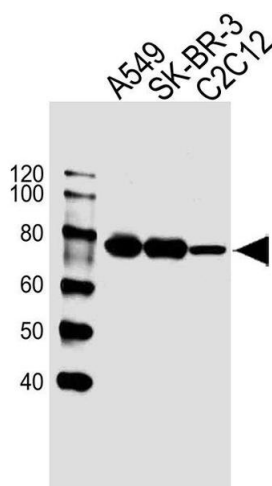
| | |
|-------------|--|
| Background: | <p>Synonyms: CANP2, mCANP, CANPL2, CANPml, Calpain-2 catalytic subunit, Calcium-activated neutral proteinase 2, CANP 2, Calpain M-type, Calpain large polypeptide L2, Calpain-2 large subunit, Millimolar-calpain, M-calpain, CAPN2</p> <p>Background: Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. Proteolytically cleaves MYOC at 'Arg-226' (PubMed:17650508).</p> |
| Gene ID: | 824 |
| UniProt: | P17655 |

Application Details

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|--------------------|---|
| Application Notes: | <p>WB 1:300-5000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 0.5 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C for 12 months. |
| Expiry Date: | 12 months |



Western Blotting

Image 1. Lane 1: A549 Cell lysates, Lane 2: SK-BR-3 Cell lysates, Lane 3: C2C12 Cell lysates, probed with CAPN2 (1381CT669.7.66.71) Monoclonal Antibody, unconjugated (bsm-51429M) at 1:1000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded human stomach tissue, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 15 minutes, Blocking buffer (3% BSA) at room temperature for 30min, Antibody incubation with CAPN2 (1381CT669.7.66.71) Monoclonal Antibody (bsm-51429M) at 1:25 for 1 hour at 37°C, followed by a conjugated secondary antibody for 20 minutes and DAB staining.