

## Mouse anti-Mouse CAPN6 Monoclonal Antibody | anti-CAPN6 antibody

CAPN6 Antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                          |
|-----------|-------|------------|-------------------------------------------------------|
| AAA283589 | Mouse | Mouse      | Western Blot, ELISA, Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

CAPN6; Monoclonal Antibody; CAPN6 Antibody; Calpain-6; Calpain-like protease X-linked; Calpamodulin; CalpM; CALPM; CANPX; anti-CAPN6 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                     |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                               |
| Reactivity                                      | Mouse                                                                                                                                                               |
| Clonality                                       | Monoclonal                                                                                                                                                          |
| Isotype                                         | IgG1                                                                                                                                                                |
| Clone Number                                    | 1395CT446.22.5                                                                                                                                                      |
| Specificity                                     | This CAPN6 antibody is generated from a mouse immunized with a recombinant protein of human CAPN6.                                                                  |
| Purity/Purification                             | Purified Mouse Monoclonal Antibody (Mab)                                                                                                                            |
| Form/Format                                     | 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. |
| Concentration                                   | Vial Concentration: 0.5 (varies by lot)                                                                                                                             |
| Sequence Length                                 | 641                                                                                                                                                                 |
| Applicable Applications for anti-CAPN6 antibody | WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)                                                                                                                 |
| Antigen Source                                  | HUMAN                                                                                                                                                               |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.              |

### IMAGES



#### WB (Western Blot)

Western blot analysis of lysate from human placenta tissue lysate, using CAPN6 Antibody. AAA283589 was diluted at 1:1000. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysate at 20ug.



#### FCM/FACS (Flow Cytometry)

Flow cytometric analysis of A549 cells using CAPN6 Antibody(green) compared to an isotype control of mouse IgG1(blue). was diluted at 1:25 dilution. An Alexa Fluor 488 goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody.

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CAPN6 antibody | Microtubule-stabilizing protein that may be involved in the regulation of microtubule dynamics and cytoskeletal organization. May act as a regulator of RAC1 activity through interaction with ARHGEF2 to control lamellipodial formation and cell mobility. Does not seem to have protease activity as it has lost the active site residues (By similarity). |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                   |                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-CAPN6 antibody | Cell Biology; Signal transduction                                                                                                                                                                                                                                                                                                                      |
| References                                        | <p>Dear T.N.,et al.Genomics 45:175-184(1997).</p> <p>Crotty P.L.,et al.Submitted (OCT-1997) to the EMBL/GenBank/DDBJ databases.</p> <p>Belsito A.,et al.Submitted (JUL-1997) to the EMBL/GenBank/DDBJ databases.</p> <p>Ross M.T.,et al.Nature 434:325-337(2005).</p> <p>Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.</p> |

## NCBI AND UNIPROT INFORMATION

|                                  |                                 |
|----------------------------------|---------------------------------|
| NCBI GI #                        | 13186316                        |
| NCBI GeneID                      | 827                             |
| NCBI Accession #                 | NP_055104.2                     |
| NCBI GenBank Nucleotide #        | NM_014289.3                     |
| UniProt Accession #              | Q9Y6Q1; Q9UEQ1; Q9UJA8; D3DUY7  |
| Molecular Weight                 | 74576                           |
| NCBI Official Full Name          | calpain-6                       |
| NCBI Official Synonym Full Names | calpain 6                       |
| NCBI Official Symbol             | CAPN6                           |
| NCBI Official Synonym Symbols    | CANPX; CAPNX; CalpM; DJ914P14.1 |
| NCBI Protein Information         | calpain-6                       |
| UniProt Protein Name             | Calpain-6                       |
| UniProt Gene Name                | <b>CAPN6</b>                    |
| UniProt Synonym Gene Names       | CALPM; CANPX; CalpM             |
| UniProt Entry Name               | CAN6_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/capn6-antibody-clone-1395ct446-22-5-western-blot-flow-cytometry-elisa/283589>