



# Mouse anti-Human CAPN5 monoclonal antibody, clone 4D21 (CABT-B9897)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                              |  |
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| <b>Immunogen</b>             | CAPN5 (NP_004046, 523 a.a. ~ 623 a.a) partial recombinant protein with GST tag.                          |
| <b>Isotype</b>               | IgG2a  |
| <b>Source/Host</b>           | Mouse  |
| <b>Species Reactivity</b>    | Human  |
| <b>Clone</b>                 | 4D21   |
| <b>Conjugate</b>             | Unconjugated   |
| <b>Applications</b>          | WB,ELISA   |
| <b>Sequence Similarities</b> | VLGAAGLKDSPTGANSYVIKCEGDKVRSQVQKGTSTPEYNVKGIFYRKKLSQPITVQVW<br>NHRVLKDEFLGQVHLKADPDNLQALHTLHLRDRNSRQPSN* |
| <b>Format</b>                | Liquid   |
| <b>Size</b>                  | 200 µl   |
| <b>Buffer</b>                | In ascites fluid   |
| <b>Storage</b>               | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                 |

## BACKGROUND

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| <b>Introduction</b> | Calpains are calcium-dependent cysteine proteases involved in signal transduction in a variety of cellular processes. A functional calpain protein consists of an invariant small subunit and 1 of a family of large subunits. CAPN5 is one of the large subunits. Unlike some of the calpains, |
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CAPN5 and CAPN6 lack a calmodulin-like domain IV. Because of the significant similarity to *Caenorhabditis elegans* sex determination gene *tra-3*, CAPN5 is also called as HTRA3. [provided by RefSeq, Jul 2008]

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| <b>Keywords</b> | CAPN5; calpain 5; VRNI; ADNIV; HTRA3; nCL-3; calpain-5; new calpain 3; calpain htra-3; |
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## GENE INFORMATION

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| <b>Entrez Gene ID</b> | <a href="#">726</a> |
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| <b>UniProt ID</b> | <a href="#">O15484</a> |
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| <b>Pathway</b> | Integrin-mediated cell adhesion, organism-specific biosystem |
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| <b>Function</b> | calcium-dependent cysteine-type endopeptidase activity; peptidase activity |
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