



# 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

<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>	VLGAAGLKDSPTGANSYVIKCEGDKVRSAVQKGTSTPEYNVKGIFYRKKLSQPTIVQVW 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

<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,
---------------------	---

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]

---

**Keywords** CAPN5; calpain 5; VRNI; ADNIV; HTRA3; nCL-3; calpain-5; new calpain 3; calpain htra-3;

---

## GENE INFORMATION

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

---