

Product datasheet for **TA804795BM**

Calpain 5 (CAPN5) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI4H5]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | OTI4H5 |
| Applications: | WB |
| Recommended Dilution: | WB 1:500 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 274-578 of human CAPN5 (NP_004046) produced in E.coli. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | HRP |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 73 kDa |
| Gene Name: | calpain 5 |
| Database Link: | NP_004046 Entrez Gene 12337 Mouse Entrez Gene 171495 Rat Entrez Gene 726 Human O15484 |
| Background: | 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 <i>Caenorhabditis elegans</i> sex determination gene <i>tra-3</i> , CAPN5 is also called as HTRA3. [provided by RefSeq, Jul 2008] |

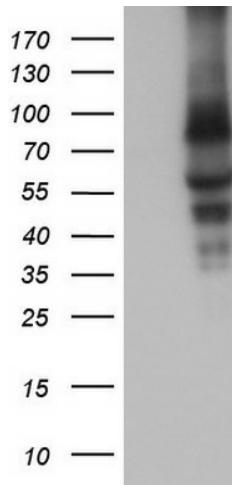


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Synonyms: ADNIV; HTRA3; nCL-3; VRNI

Protein Families: Druggable Genome, Protease

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CAPN5 ([RC202045], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CAPN5. Positive lysates [LY418247] (100ug) and [LC418247] (20ug) can be purchased separately from OriGene.