

Anti-Calpain 1 Antibody Picoband® (monoclonal, 2E3) Biotin Conjugated

Catalog Number: M01943-4-Biotin

About CAPN1

CAPN1 is also known as CANP or muCL. The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 1. Several transcript variants encoding two different isoforms have been found for this gene.

Overview

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| Product Name | Anti-Calpain 1 Antibody Picoband® (monoclonal, 2E3) Biotin Conjugated |
| Reactive Species | Human |
| Application | WB, IHC, ELISA |
| Clonality | Monoclonal 2E3 |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. |
| Host | Mouse |
| Uniprot ID | P07384 |

Technical Details

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| Immunogen | E.coli-derived human Calpain 1 recombinant protein (Position: Q396-A555). Human Calpain 1 shares 86% amino acid (aa) sequence identity with both mouse and rat Calpain 1. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Mouse IgG2b |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Biotin |
| Suggested Dilutions | Western blot, Optimal dilutions should be determined by end users. Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users. ELISA, Optimal dilutions should be determined by end users. |

2 Publications Citing This Product

1. PubMed ID: 10.1016/j.cyto.2017.04.007, Determination of cytokine levels in multiple sclerosis patients and their relevance with patients response to Cinnovex

2. PubMed ID: 25415668, Chen Hx, Tang Sp, Gao Ft, Xu JI, Jiang Xp, Cao J, Fu Gb, Sun K, Liu Sz, Shi W. Medicine (Baltimore). 2014 Nov;93(23):E138. Doi: 10.1097/Md.0000000000000138. Fibrosis, Adipogenesis, And Muscle Atrophy In Congenital Muscular Torticollis.

Visit bosterbio.com/anti-calpain-1-picoband-trade-antibody-m01943-4-boster.html to see all 2 publications.

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