

Datasheet for ABIN7602087
anti-Calpain 5 antibody (AA 583-616)



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Overview

Quantity:	100 µg
Target:	Calpain 5 (CAPN5)
Binding Specificity:	AA 583-616
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calpain 5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CAPN5 Antibody Picoband®
Immunogen:	E.coli-derived human CAPN5 recombinant protein (Position: N583-N616). Human CAPN5 shares 84.8% and 78.8% amino acid (aa) sequence identity with mouse and rat CAPN5, respectively.
Characteristics:	Anti-CAPN5 Antibody Picoband® (ABIN7602087). Tested in WB, ICC/IF, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Calpain 5 (CAPN5)
Alternative Name:	CAPN5 (CAPN5 Products)
Background:	Calpain-5 is a protein that in humans is encoded by the CAPN5 gene. 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 tra-3, CAPN5 is also called as HTRA3.
Molecular Weight:	73 kDa
Gene ID:	726
UniProt:	O15484

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Bennett, S. R., Folk, J. C., Kimura, A. E., Russell, S. R., Stone, E. M., Raphtis, E. M. Autosomal dominant neovascular inflammatory vitreoretinopathy. <i>Ophthalmology</i> 97: 1125-1135, 1990. 2. Dear, N., Matena, K., Vingron, M., Boehm, T. A new subfamily of vertebrate calpains lacking a calmodulin-like domain: implications for calpain regulation and evolution. <i>Genomics</i> 45: 175-184, 1997. 3. Franz, T., Winckler, L., Boehm, T., Dear, T. N. Capn5 is expressed in a subset of T cells and is dispensable for development. <i>Molec. Cell. Biol.</i> 24: 1649-1654, 2004.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C

Handling

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.