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# CAPN2 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21462a

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | P17655 |
| **Reactivity** | Human, Rat, Mouse |
| **Predicted** | Bovine, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB52878 |
| **Calculated MW** | 79995 |

## Additional Information

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| **Gene ID** | 824 |
| **Other Names** | Calpain-2 catalytic subunit, Calcium-activated neutral proteinase 2, CANP 2, Calpain M-type, Calpain large polypeptide L2, Calpain-2 large subunit, Millimolar-calpain, M-calpain, CAPN2, CANPL2 |
| **Target/Specificity** | This CAPN2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 10-43 amino acids from human CAPN2. |
| **Dilution** | WB~~1:8000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | CAPN2 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | CAPN2 |
| **Synonyms** | CANPL2 |
| **Function** | Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal |

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|---|---|
| | transduction. Proteolytically cleaves MYOC at 'Arg-226' (PubMed:17650508). Proteolytically cleaves CPEB3 following neuronal stimulation which abolishes CPEB3 translational repressor activity, leading to translation of CPEB3 target mRNAs (By similarity). |
| **Cellular Location** | Cytoplasm. Cell membrane. Note=Translocates to the plasma membrane upon Ca(2+) binding |
| **Tissue Location** | Ubiquitous. |

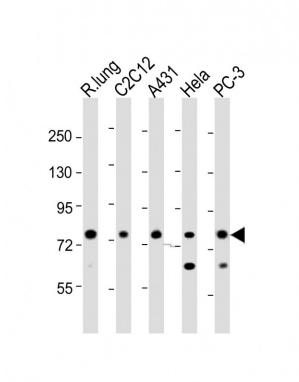
## Background

Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. Proteolytically cleaves MYOC at 'Arg-226' (PubMed:17650508).

## References


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Ye Z.,et al.Biochem. Biophys. Res. Commun. 275:223-227(2000).
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## Images




All lanes : Anti-CAPN2 Antibody (N-Term) at 1:8000 dilution Lane 1: rat lung lysates Lane 2: C2C12 whole cell lysates Lane 3: A431 whole cell lysates Lane 4: Hela whole cell lysates Lane 5: PC-3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 80 kDa Blocking/Dilution buffer: 5% NFDM/TBST.


Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.