

CAPN2 Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21462a**Specification**

CAPN2 Antibody (N-Term) - Product Information

Application	WB,E
Primary Accession	P17655
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	79995

CAPN2 Antibody (N-Term) - Additional Information**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.

CAPN2 Antibody (N-Term) - Protein Information**Name** CAPN2**Synonyms** CANPL2

Function Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal 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

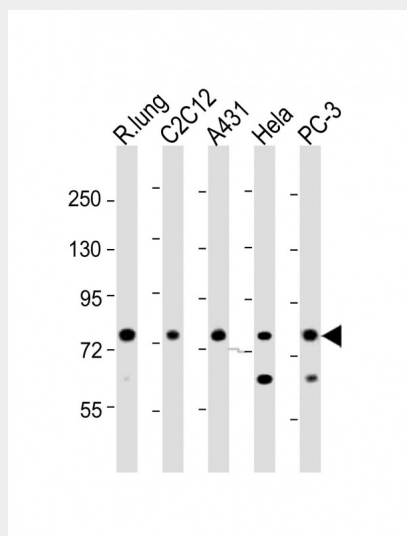
Ubiquitous.

CAPN2 Antibody (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CAPN2 Antibody (N-Term) - 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.

CAPN2 Antibody (N-Term) - 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).

CAPN2 Antibody (N-Term) - References

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Ye Z.,et al.Biochem. Biophys. Res. Commun. 275:223-227(2000).
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Gregory S.G.,et al.Nature 441:315-321(2006).
Hata A.,et al.J. Biol. Chem. 264:6404-6411(1989).