

NUCB1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16270**Specification**

NUCB1 antibody - C-terminal region - Product Information

Application	IHC, WB
Primary Accession	Q63083
Other Accession	NM_053463.1 , NP_445915
Reactivity	Mouse, Rat, Dog
Predicted	Mouse, Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54kDa KDa

NUCB1 antibody - C-terminal region - Additional Information**Gene ID** 84595

Alias Symbol	Nucb
Other Names	
Nucleobindin-1, Bone 63 kDa calcium-binding protein, CALNUC, Nucb1, Nuc	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 100 ul of distilled water. Final anti-NUCB1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

NUCB1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

NUCB1 antibody - C-terminal region - Protein Information**Name** Nucb1**Synonyms** Nuc**Function**

Major calcium-binding protein of the Golgi which may have a role in calcium homeostasis (PubMed:7890746). Acts as a non-receptor guanine nucleotide exchange factor which binds to and activates alpha subunits of guanine nucleotide-binding proteins (G proteins) (PubMed:21653697).

Cellular Location

Golgi apparatus, cis-Golgi network membrane; Peripheral membrane protein; Luminal side. Cytoplasm. Secreted Note=A small fraction of the protein may be cytoplasmic. In bone at least part of it is found in the extracellular matrix and in the culture medium of calvaria explants.

Tissue Location

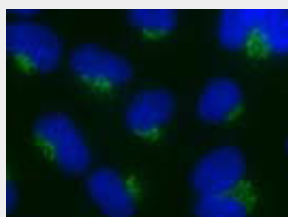
Minor constituent of the mineralized matrix of bone. Detected in calvaria, rib cartilage, liver, kidney, spleen, brain, lung, skeletal and heart muscle with highest expression in calvaria and approximately half the amount in kidney, liver and brain

NUCB1 antibody - C-terminal region - Protocols

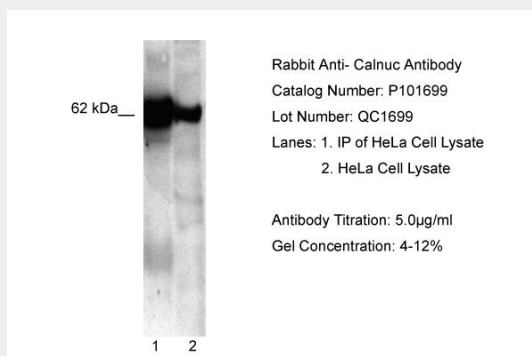
Provided below are standard protocols that you may find useful for product applications.

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

NUCB1 antibody - C-terminal region - Images



Rat NRK



WB Suggested Anti-NUCB1 Antibody Titration: 5.0µg/ml
Positive Control: Hela cell lysate

NUCB1 antibody - C-terminal region - Background

Major calcium-binding protein of the Golgi. May have a role in calcium homeostasis.

NUCB1 antibody - C-terminal region - References

Wendel M.,et al.J. Biol. Chem. 270:6125-6133(1995).
Long X.,et al.Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.
Adams L.A.,et al.Submitted (OCT-1996) to the EMBL/GenBank/DDBJ databases.
Lin P.,et al.J. Cell Biol. 141:1515-1527(1998).
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