

NUCB1 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI16270

Product Information

Application	WB, IHC
Primary Accession	Q63083
Other Accession	NM_053463.1 , NP_445915
Reactivity	Mouse, Rat, Dog
Predicted	Mouse, Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53507

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.

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

Background

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

References

Wendel M.,et al.J. Biol. Chem. 270:6125-6133(1995).

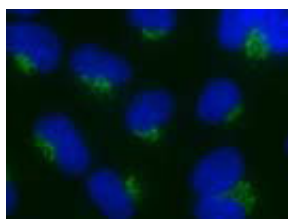
Long X.,et al.Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.

Adams L.A.,et al.Submitted (OCT-1996) to the EMBL/GenBank/DDBJ databases.

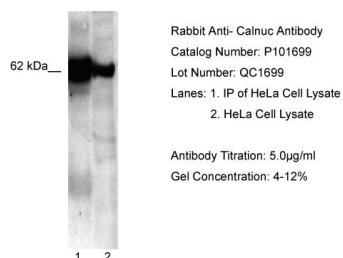
Lin P.,et al.J. Cell Biol. 141:1515-1527(1998).

Lin P.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:674-679(2000).

Images



Rat NRK



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

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