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Datasheet for ABIN2792697

anti-Nucleobindin 1 antibody (C-Term)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	Nucleobindin 1 (NUCB1)
Binding Specificity:	C-Term
Reactivity:	Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nucleobindin 1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide corresponding to a region of Rat
Sequence:	SQPDGQLQFR ADTGDAVPVA PAGDQKDVPA SEKKVPEQPP VLPQLDSQHL
Cross-Reactivity:	Dog (Canine), Mouse (Murine), Rat (Rattus)
Predicted Reactivity:	Dog: 78%, Mouse: 92%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against NUCB1. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	Nucleobindin 1 (NUCB1)
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Target Details

Alternative Name: Nucleobindin-1 ([NUCB1 Products](#))

Background: An extracellular calcium binding protein of the mineralized matrix of bone [Calnuc or RGD:620030]. Also useful as a Golgi marker in immunohistochemistry (1:100 dilution).

Alias Symbols: Nucb

Protein Interaction Partner: STXBP5L, GNAI3,

Protein Size: 459

Molecular Weight: 54 kDa

Gene ID: 84595

NCBI Accession: [NM_053463](#), [NP_445915](#)

UniProt: [Q63083](#)

Application Details

Application Notes: WB Suggested Anti-NUCB1 Antibody Titration: 5.0 µg/mL

Positive Control: Hela cell lysate.

Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 459 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

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

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

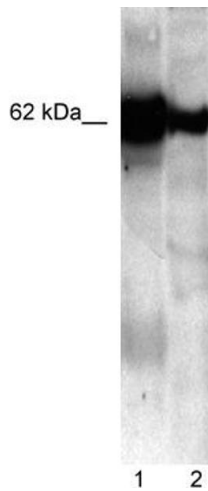
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Product cited in:

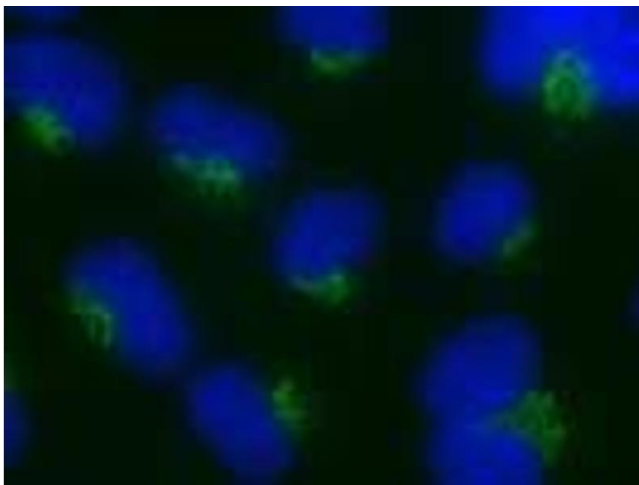
Lin, Li, Zhang, Huang, Tong, Farquhar, Xu: "Calnuc binds to Alzheimer's beta-amyloid precursor protein and affects its biogenesis." in: **Journal of neurochemistry**, Vol. 100, Issue 6, pp. 1505-14 , (2007) ([PubMed](#)).

Images



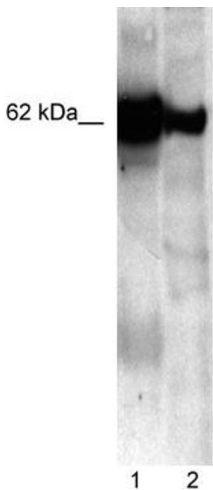
Western Blotting

Image 1. WB Suggested Anti-NUCB1 Antibody Titration: 5.0ug/ml Positive Control: Hela cell lysate



Immunohistochemistry

Image 2. Rat NRK



Rabbit Anti- Calnuc Antibody
Catalog Number: P101699
Lot Number: QC1699
Lanes: 1. IP of HeLa Cell Lysate
2. HeLa Cell Lysate

Antibody Titration: 5.0µg/ml
Gel Concentration: 4-12%

Western Blotting

Image 3. WB Suggested Anti-NUCB1
Antibody Titration: 5.0 µg/mL
Positive Control: Hela cell lysate