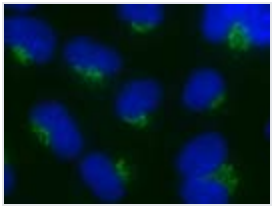
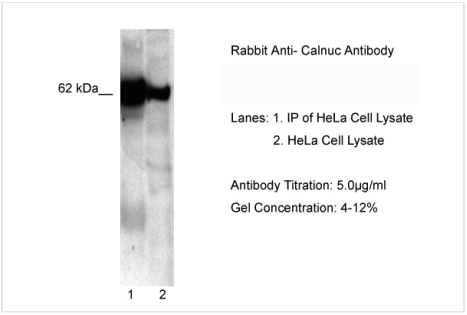
NUCB1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NUCB1, Polyclonal Antibody
Full Product Name	NUCB1 antibody - C-terminal region
Product Gene Name	anti-NUCB1 antibody
Product Synonym Gene Name	Nucb
Immunogen Sequence	Synthetic peptide located within the following region: SQPDGQLQFR ADTGDAPVPA PAGDQKDVPA SEKKVPEQPP VLPQLDSQHL
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Dog, Mouse, Rat
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Protein A purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	NUCB1 peptide (MBS3225845) is used for blocking the activity of NUCB1 antibody (MBS3224714)
Molecular Weight	54kDa
3D Structure	ModBase 3D Structure for Q63083
Homology	Dog: 78%; Mouse: 92%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide corresponding to a region of Rat
Product Categories/Family for anti-NUCB1 antibody	Polyclonal; Various; DNA/RNA/Protein Interactions; Immunohistochemistry
Applications Tested/Suitable for anti-NUCB1 antibody	Immunohistochemistry (IHC)
Related Product Information for anti-NUCB1 antibody	This is a rabbit polyclonal antibody against NUCB1. It was validated on Western Blot and immunohistochemistry Target Description: 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).
Other Notes	Small volumes of anti-NUCB1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NUCB1 purchase	MBS3224714 is an antibody targeting NUCB1. Also known as NUCB1 antibody - C-terminal region. Reactive in Dog, Mouse, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-NUCB1 antibody
Rat NRK



Western Blot (WB) of anti-NUCB1 antibody
WB Suggested Anti-NUCB1 Antibody Titration: 5.0ug/mlPositive Control: Hela cell lysate

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NUCB1. It may not necessarily be applicable to this product.

NCBI GI #	16758210
NCBI GeneID	84595
NCBI Accession #	NP_445915
UniProt Primary Accession #	Q63083
UniProt Related Accession #	Q63083
GenBank Nucleotide #	NM_053463.1
NCBI Official Full Name	nucleobindin-1
NCBI Official Synonym Full Names	nucleobindin 1
NCBI Official Symbol	Nucb1
NCBI Official Synonym Symbols	Nucb
UniProt Protein Name	Nucleobindin-1
UniProt Synonym Protein Names	Bone 63 kDa calcium-binding protein; CALNUC
Protein Family	Nucleobindin
UniProt Gene Name	Nucb1
UniProt Synonym Gene Names	Nuc
NCBI Protein Information	nucleobindin-1
NCBI Summary for NUCB1	extracellular calcium binding protein of the mineralized matrix of bone [RGD, Feb 2006]
UniProt Comments for NUCB1	Major calcium-binding protein of the Golgi. May have a role in calcium homeostasis.
Research Articles on NUCB1	**1.** NUCB1 mRNA and protein was found to be present in all brain regions, extending to the spinal cord and dorsal root ganglia; the protein was detected in cell somata and proximal dendrites, but not in axons or terminal structures. Further examination of the subcellular distribution of NUCB1 using organelle-specific markers revealed its consistent presence in the Golgi apparatus.
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