

Datasheet for 600-401-DE9

Nucleobindin-2 Antibody

Overview

Description:	Anti-Nucleobindin-2 (RABBIT) Antibody - 600-401-DE9
Item No.:	600-401-DE9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	NUCB2 was initially identified as calcium-binding protein EF hand motif-containing protein that could bind with Necdin, a growth suppressor expressed primarily in postmitotic neurons. NUC2 is a secreted protein that is cleaved into three major peptide products, Nesfatin-1, Nesfatin-2, and Nesfatin-3, of which Nesfatin-1 has been found to cause the suppression of food intake in a leptin-independent manner. Other studies have suggested that NUCB2/Nesfatin-1 may also play roles in energy homeostasis and closely related neuroendocrine functions.
Synonyms:	Nucleobindin-2 Antibody, NEFA, HEL-S-109, NEFA, Nucleobindin-2, DNA-binding protein NEFA
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NUCB2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Nucleobindin-2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the internal region of human Nucleobindin-2.

Purity/Specificity:	Anti-Nucleobindin-2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Nucleobindin-2 antibody is predicted to not cross-react with NUCB1.
Relevant Links:	• UniProtKB - P80303 • GeneID - 4925 • NCBI - NP_005004

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Nucleobindin-2 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 50 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000
IF:	User Optimized
IHC:	User Optimized
WB:	.5 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

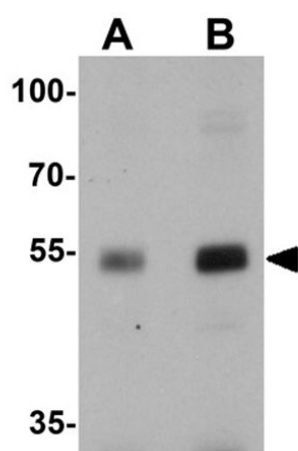
Shipping & Handling

Shipping Condition:	Dry Ice
----------------------------	---------

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

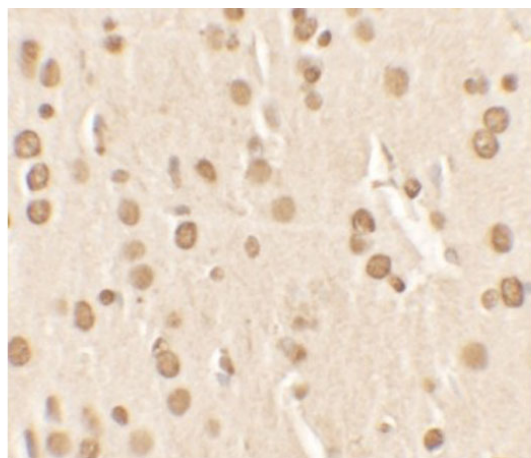


Western Blot

Western blot analysis of Nucleobindin-2.

Load: rat brain tissue lysate.

Primary Antibody: Nucleobindin-2 antibody at (A) 0.5 and (B) 1 µg/mL.

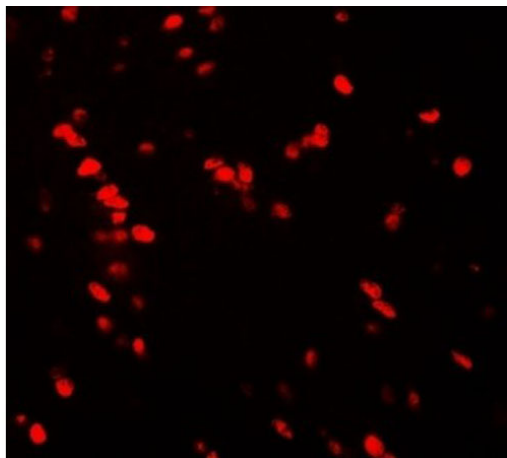


Immunohistochemistry

Immunohistochemistry of Nucleobindin-2.

Tissue: rat brain tissue.

Primary Antibody: Nucleobindin-2 antibody at 2.5 µg/mL.

**Immunofluorescence Microscopy**

Immunofluorescence of Nucleobindin-2.

Tissue: rat brain tissue.

Primary Antibody: Nucleobindin-2 antibody at 20 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.