Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

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<br>• GeneID - 4925<br>• 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

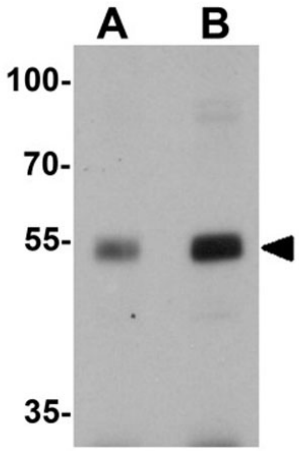
| | |
|---|---|
| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1 mg/mL by UV absorbance at 280 nm |
| **Buffer:** | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.02% (w/v) Sodium Azide |
| **Stabilizer:** | None |

## Shipping & Handling

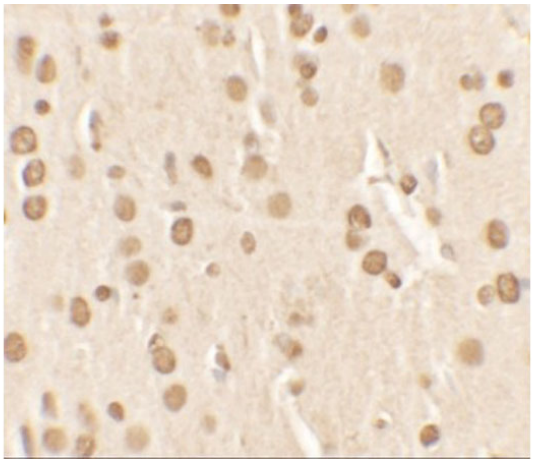
| | |
|---|---|
| **Shipping Condition:** | Dry Ice |

| | |
|---|---|
| **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. |

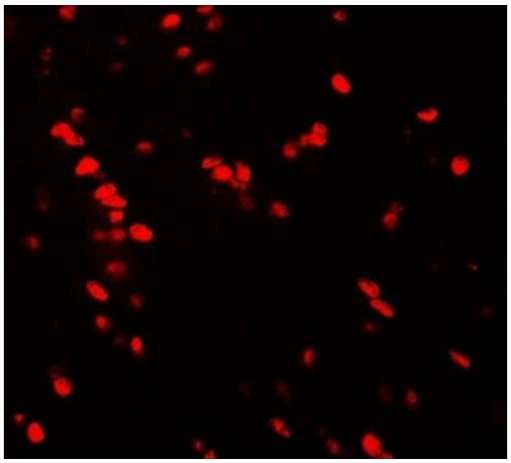
## Images




**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