

## Anti-Nucleobindin-2 NUCB2 Antibody

Catalog Number: A02400

### About NUCB2

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.

### Overview

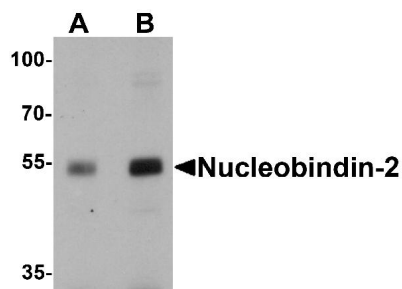
|                      |                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-Nucleobindin-2 NUCB2 Antibody                                                                                                                          |
| Reactive Species     | Human, Mouse, Rat                                                                                                                                           |
| Description          | Boster Bio Anti-Nucleobindin-2 NUCB2 Antibody (Catalog # A02400). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat. |
| Application          | ELISA, IF, IHC-P, WB                                                                                                                                        |
| Clonality            | Polyclonal Clone: SK7                                                                                                                                       |
| Formulation          | Nucleobindin-2 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                   |
| Storage Instructions | Nucleobindin-2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.                                                         |
| Host                 | Rabbit                                                                                                                                                      |
| Uniprot ID           | P80303                                                                                                                                                      |

### Technical Details

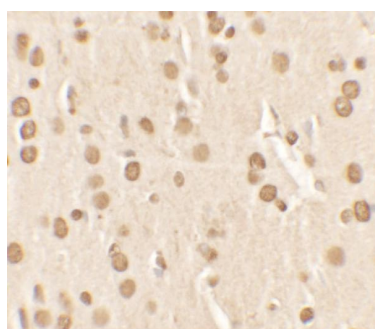
|                            |                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                  | Nucleobindin-2 antibody was raised against a 16 amino acid peptide near the center of human Nucleobindin-2 . The immunogen is located within amino acids 260 - 310 of Nucleobindin-2. |
| Predicted Reactive Species | Bovine                                                                                                                                                                                |
| Cross Reactivity           | Nucleobindin-2 antibody is predicted to not cross-react with NUCB1.                                                                                                                   |
| Isotype                    | IgG                                                                                                                                                                                   |
| Form                       | Liquid                                                                                                                                                                                |
| Concentration              | 1 mg/mL                                                                                                                                                                               |
| Purification               | Nucleobindin-2 Antibody is affinity chromatography purified via peptide column.                                                                                                       |
| Suggested Dilutions        | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.                                                                           |

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.  
Some PubMed article(s) citing the expression level of this target are as follows:  
Boster Bio's internal QC testing used:  
Nucleobindin-2 Antibody can be used for detection of Nucleobindin-2 by Western blot starting at 0.5 ug/mL.  
Antibody validated: Western Blot in rat samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

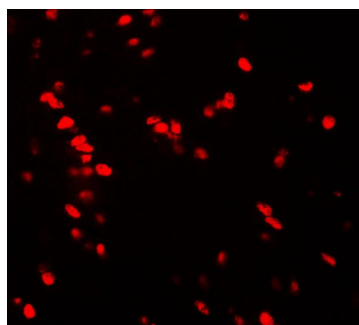
## Anti-Nucleobindin-2 NUCB2 Antibody (A02400) Images



Western blot analysis of Nucleobindin-2 in rat brain tissue lysate with Nucleobindin-2 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of Nucleobindin-2 in rat brain tissue with Nucleobindin-2 antibody at 2.5 ug/ml.



Immunofluorescence of Nucleobindin-2 in rat brain tissue with Nucleobindin-2 antibody at 20 ug/ml.

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