

anti-Mouse, Rat Nucleobindin 2 Polyclonal Antibody | anti-Nucb2 antibody

Anti-Nucleobindin 2 Antibody

CATALOG # AAA46281	REACTIVITY Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Nucleobindin 2; Polyclonal Antibody; Anti-Nucleobindin 2 Antibody; Nucleobindin-2; DNA binding protein NEFA; DNA-binding protein NEFA; Gastric cancer antigen Zg4; NEFA; Nefastin 1; Nefastin-1; Nefastin1; Nucb2; NUCB2_HUMAN; Nucleobinding 2; Prepronefastin; Prepronesfatin; nucleobindin 2; anti-Nucb2 antibody

PRODUCT SPECIFICATIONS

Reactivity	Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	420
Applicable Applications for anti-Nucb2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived mouse Nucleobindin 2 recombinant protein (Position: V25-L106). Mouse Nucleobindin 2 shares 85.4% and 97.6% amino acid (aa) sequence identity with human and rat Nucleobindin 2, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



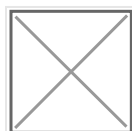
IHC (Immunohistochemisry)

Nucleobindin 2 was detected in paraffin-embedded sections of rat gaster tissues using rabbit anti- Nucleobindin 2 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohiostchemistry)

Nucleobindin 2 was detected in paraffin-embedded sections of mouse gaster tissues using rabbit anti- Nucleobindin 2 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of Nucleobindin 2 expression in HEPA whole cell lysates (lane 1). Nucleobindin 2 at 55KD was detected using rabbit anti- Nucleobindin 2 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-Nucb2 antibody	Description: Rabbit IgG polyclonal antibody for Nucleobindin-2(NUCB2) detection. Tested with WB, IHC-P, ELISA in Mouse;Rat. Background: Nucleobindin-2 is a calcium-binding EF-hand protein that in humans is encoded by the NUCB2 gene. By exon trapping and sequence analysis, the NUCB2 sequence has been identified on chromosome 11p15-p14. This gene encodes a protein with a suggested role in calcium level maintenance, eating regulation in the hypothalamus, and release of tumor necrosis factor from vascular endothelial cells.
References	1. "Entrez Gene: NUCB2 nucleobindin 2". 2. Barnikol-Watanabe S, Gross NA, Gotz H, Henkel T, Karabinos A, Kratzin H, Barnikol HU, Hilschmann N (February 1995). "Human protein NEFA, a novel DNA binding/EF-hand/leucine zipper protein. Molecular cloning and sequence analysis of the cDNA, isolation and characterization of the protein". Biol Chem Hoppe Seyler 375 (8): 497-512. 3. DeAngelis, M., Drury, S., Doucet, J., Sherry, S., Buckley, L., Peliás, M., Deininger, P., Keats, B., Batzer, M. Construction of a BAC contig and isolation of candidate genes in the Acadian Usher syndrome (USH1C) critical region. (Abstract) Am. J. Hum. Genet. 61 (suppl.): A233 only, 1997.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194440700
NCBI GeneID	53322
NCBI Accession #	NP_001123951.1
NCBI GenBank Nucleotide #	NM_001130479.2
UniProt Accession #	P81117
Molecular Weight	50,304 Da
NCBI Official Full Name	nucleobindin-2
NCBI Official Synonym Full Names	nucleobindin 2
NCBI Official Symbol	Nucb2
NCBI Official Synonym Symbols	Nefa; Calnuc; AI607786; Nesfatin-1
NCBI Protein Information	nucleobindin-2
UniProt Protein Name	Nucleobindin-2
UniProt Gene Name	Nucb2
UniProt Synonym Gene Names	Nefa
UniProt Entry Name	NUCB2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.