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anti-NUCB2 antibody (AA 25-106)



Purification:

Images



Overview	
Quantity:	100 μg
Target:	NUCB2
Binding Specificity:	AA 25-106
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Nucleobindin-2(NUCB2) detection. Tested with WB, IHC-P, ELISA in Mouse,Rat.
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Nucleobindin-2(NUCB2) detection. Tested with WB, IHC-P, ELISA in Mouse,Rat. Gene Name: nucleobindin 2 Protein Name: Nucleobindin-2

Immunogen affinity purified.

Target Details

Target:	NUCB2
Alternative Name:	NUCB2 (NUCB2 Products)
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.
	Synonyms: DNA binding protein NEFA antibody DNA-binding protein NEFA antibody Gastric
	cancer antigen Zg4 antibody NEFA antibody Nefastin 1 antibody Nefastin-1 antibody Nefastin1
	antibody Nucb2 antibody NUCB2_HUMAN antibody Nucleobindin-2 antibody Nucleobinding 2
	antibody Prepronefastin antibody Prepronesfatin antibody
Gene ID:	53322
UniProt:	P81117
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse
	IHC-P: Concentration: 0.5-1 μ g/mL, Tested Species: Mouse, Rat, Epitope Retrieval by Heat:
	Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the
	staining of formalin/paraffin sections.
	ELISA: Concentration: 0.1-0.5 μg/mL, Tested Species: Mouse
	Notes: Tested Species: Species with positive results. Other applications have not been tested.
	Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by
	ABIN921231 in IHC(P).
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 μg/mL

Handling

Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images

130KD-

100KD-

70KD-

55KD - -

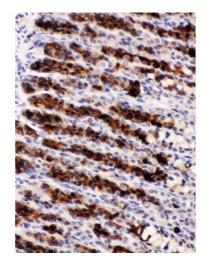
35KD-

25KD-

15KD -

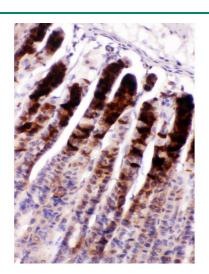


Image 1. Western blot analysis of Nucleobindin 2 expression in HEPA whole cell lysates (lane 1). Nucleobindin 2 at 55KD was detected using rabbit anti- Nucleobindin 2 Antigen Affinity purified polyclonal antibody at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method



Immunohistochemistry (Paraffin-embedded Sections)

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



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Nucleobindin 2 was detected in paraffinembedded sections of mouse gaster tissues using rabbit anti- Nucleobindin 2 Antigen Affinity purified polyclonal antibody at 1 μ g/mL. The immunohistochemical section was developed using SABC method