

Product datasheet

Anti-NUCB2 antibody - C-terminal ab229683

1 References 4 Images

Overview

<b>Product name</b>	Anti-NUCB2 antibody - C-terminal
<b>Description</b>	Rabbit polyclonal to NUCB2 - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, ICC/IF, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Recombinant fragment within Human NUCB2 (C terminal). The exact sequence is proprietary. Database link: <a href="#">P80303</a>
<b>Positive control</b>	WB: HEK-293T, A431, HeLa and HepG2 whole cell extracts. IP: HEK-293T whole cell extract. IHC-P: Rat brain tissue. ICC/IF: A431 cells.
<b>General notes</b>	Previously labelled as Nucleobindin 2.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.025% Proclin Constituents: PBS, 20% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab229683** in the following tested applications.

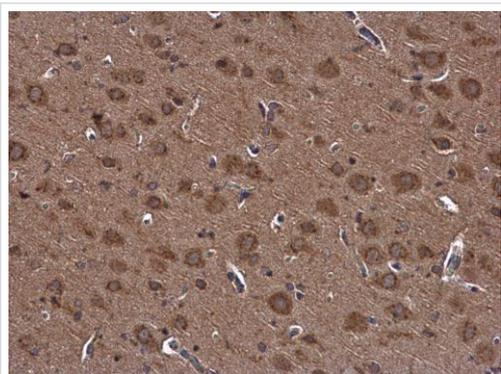
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/1000.
WB		1/500 - 1/3000. Predicted molecular weight: 50 kDa.
ICC/IF		1/100 - 1/1000.
IP		1/100 - 1/500.

## Target

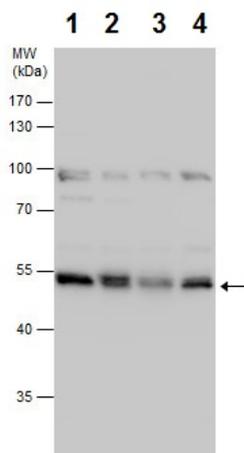
<b>Function</b>	Calcium-binding protein. May have a role in calcium homeostasis.
<b>Tissue specificity</b>	Predominantly expressed in spleen, testis and normal stomach.
<b>Sequence similarities</b>	Belongs to the nucleobindin family. Contains 2 EF-hand domains.
<b>Cellular localization</b>	Membrane. Cytoplasm. Secreted.

## Images



Paraffin-embedded rat brain tissue stained for NUCB2 using ab229683 at 1/500 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NUCB2 antibody - C-terminal (ab229683)



Western blot - Anti-NUCB2 antibody - C-terminal (ab229683)

**All lanes :** Anti-NUCB2 antibody - C-terminal (ab229683) at 1/1000 dilution

**Lane 1 :** HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell extract

**Lane 2 :** A431 (human epidermoid carcinoma cell line) whole cell extract

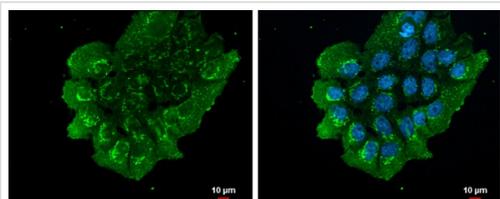
**Lane 3 :** HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell extract

**Lane 4 :** HepG2 (human liver hepatocellular carcinoma cell line) whole cell extract

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 50 kDa

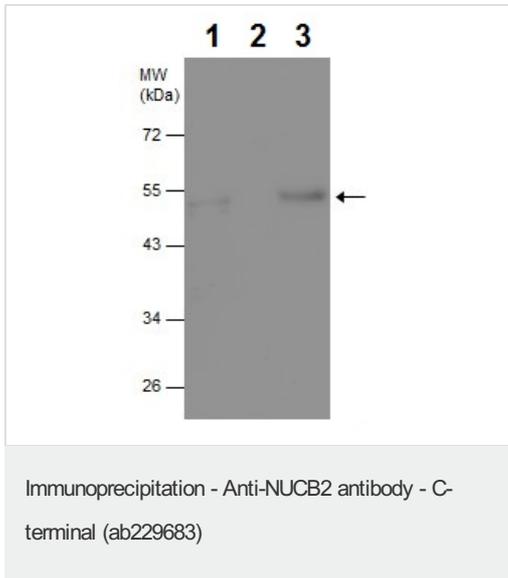
10% SDS-PAGE gel.



Immunocytochemistry/ Immunofluorescence - Anti-NUCB2 antibody - C-terminal (ab229683)

4% paraformaldehyde-fixed A431 (human epidermoid carcinoma cell line) cells stained for NUCB2 (green) using ab229683 at 1/500 dilution in ICC/IF.

Nuclear counterstain: Hoechst 33342 (blue).



NUCB2 was immunoprecipitated from HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell extract with 5 µg of ab229683. Western blot was performed from the immunoprecipitate using ab229683. Anti-Rabbit IgG was used as a secondary reagent.

**Lane 1:** HEK-293T whole cell extract (Input).

**Lane 2:** Control IgG instead of ab229683 in HEK-293T whole cell extract.

**Lane 3:** ab229683 IP in HEK-293T whole cell extract.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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