

Datasheet for ABIN7043364  
**anti-NMBR antibody (3rd Intracellular Loop)**



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4 Images

Overview

Quantity:	50 µL
Target:	NMBR
Binding Specificity:	3rd Intracellular Loop, AA 241-256
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KSAHNLPGEYNEHTKK, corresponding to amino acid residues 241-256 of human BB1R
Isotype:	IgG
Characteristics:	Anti-Bombesin Receptor 1 (NMBR) Antibody is directed against a well conserved epitope located in the 3rd intracellular loop of the human BB1 receptor (neuromedin B receptor). Anti-Bombesin Receptor 1 (NMBR) Antibody (ABIN7043364 and ABIN7043939)) can be used in western blot and immunocytochemical applications, and will recognize BB1R from human, rat, mouse, and dog samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

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Target:	NMBR
Alternative Name:	Bombesin Receptor 1 (NMBR) ( <a href="#">NMBR Products</a> )
Background:	Alternative names: Bombesin Receptor 1 (NMBR), BB1R, Neuromedin B receptor, Neuromedin-B-preferring bombesin receptor
Gene ID:	4829
NCBI Accession:	<a href="#">NM_001324307</a>
UniProt:	<a href="#">P28336</a>

## Application Details

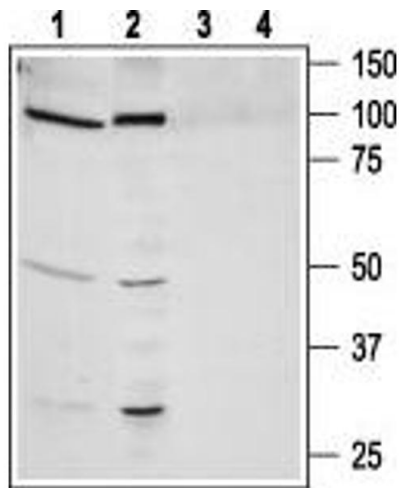
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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

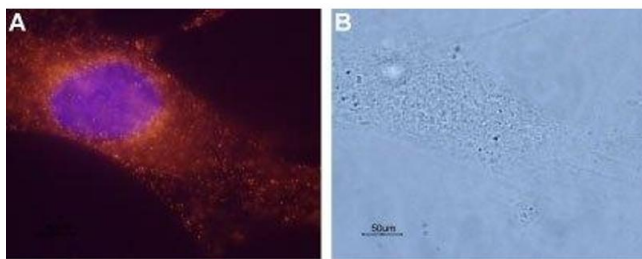
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Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.6 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



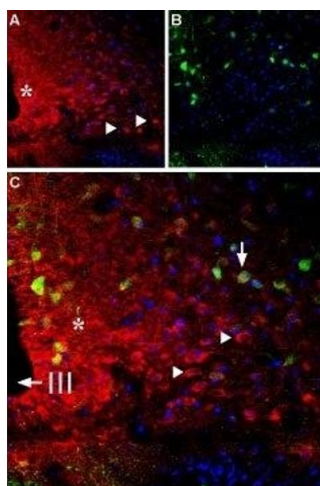
### Western Blotting

**Image 1.** Western blot analysis of human lung carcinoma NCI-H526 (lanes 1 and 3) and human prostate carcinoma PC-3 (lanes 2 and 4) cell line lysates: - 1,2. Anti-Bombesin Receptor 1 (NMBR) Antibody (ABIN7043364 and ABIN7043939), (1:1000).3,4. Anti-Bombesin Receptor 1 (NMBR) Antibody, preincubated with Bombesin Receptor 1/NMBR Blocking Peptide (#BLP-BR004).



### Immunocytochemistry

**Image 2.** Expression of Bombesin receptor 1 in a human breast cancer cell line - Immunocytochemical staining of paraformaldehyde-fixed and permeabilized mammary gland adenocarcinoma MDA-MB-231. A. Cells were stained with Anti-Bombesin Receptor 1 (NMBR) Antibody (ABIN7043364 and ABIN7043939), (1:1000), followed by goat anti-rabbit-AlexaFluor-555 secondary antibody (red). Hoechst 33342 (blue) is used to visualize the nuclei. B. Live view of the same field as in (A).



### Immunohistochemistry

**Image 3.** Expression of Bombesin receptor 1 in rat hypothalamus - Immunohistochemical staining of frozen rat hypothalamus sections using Anti-Bombesin Receptor 1 (NMBR) Antibody (ABIN7043364 and ABIN7043939), (1:200). A. Staining (red) appears in the neuropil near the ventricle (asterisk) and in neurons (triangles). Calbindin D28k staining (green) appears in neurons. C. Merge of (A) and (B) shows co-expression of BB1R and Calbindin in a few neurons (vertical arrow). DAPI is used as the counterstain.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043364.