

Datasheet for ABIN7043210  
**anti-GRPR antibody (3rd Extracellular Loop)**



[Go to Product page](#)

4 Images

## Overview

Quantity:	50 µL
Target:	GRPR
Binding Specificity:	3rd Extracellular Loop, AA 287-300
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRPR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Live Cell Imaging (LCI)

## Product Details

Immunogen:	<p>Immunogen: Synthetic peptide</p> <p>Immunogen Sequence: (C)RSYHYSEVDTSMLH, corresponding to amino acid residues 287-300 of human BB2R</p>
Isotype:	IgG
Characteristics:	<p>Anti-Bombesin Receptor 2 (GRPR) (extracellular) Antibody is directed against an epitope located in the 3rd extracellular loop of the human BB2 receptor (gastrin-releasing peptide receptor). Anti-Bombesin Receptor 2 (extracellular) (GRPR) Antibody (ABIN7043210 and ABIN7043937)) can be used in western blot analysis, as well as immunocytochemical and immunohistochemical applications, and will recognize BB2R from human, rat, mouse, and dog samples.</p>

## Product Details

---

Purification: Affinity purified on immobilized antigen.

## Target Details

---

Target: GRPR

Alternative Name: Bombesin Receptor 2 (GRPR) ([GRPR Products](#))

Background: Alternative names: Bombesin Receptor 2 (GRPR), BB2R, Gastrin-releasing peptide receptor, GRP-preferring bombesin receptor

Gene ID: 2925

NCBI Accession: [NM\\_005314](#)

UniProt: [P30550](#)

## Application Details

---

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

Reconstitution: 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.

Concentration: 0.8 mg/mL

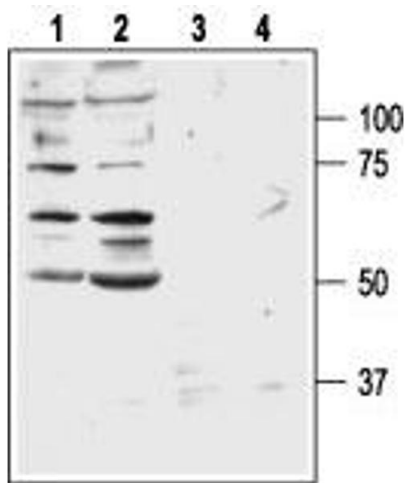
Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

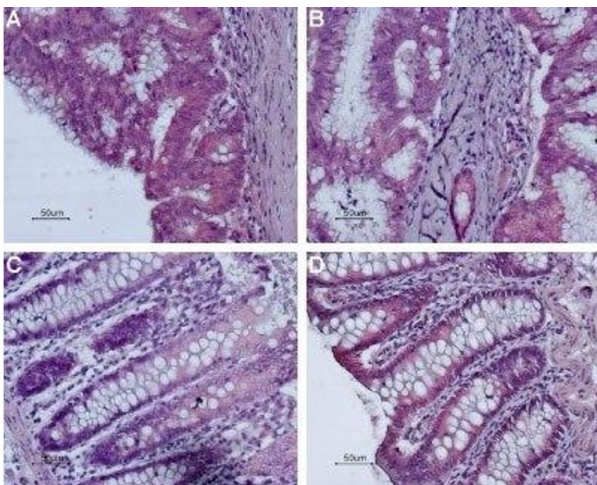
Storage: RT, 4 °C, -20 °C

Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.  
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).



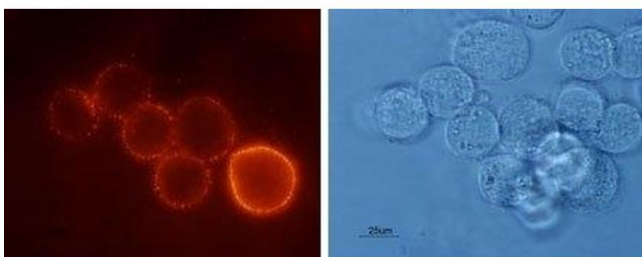
### Western Blotting

**Image 1.** Western blot analysis of DU 145 (lanes 1 and 3) and PC-3 (lanes 2 and 4) human prostate carcinoma cell lines: - 1,2. Anti-Bombesin Receptor 2 (GRPR) (extracellular) Antibody (ABIN7043210 and ABIN7043937), (1:200).3,4. Anti-Bombesin Receptor 2 (GRPR) (extracellular) Antibody, preincubated with Bombesin Receptor 2/GRPR (extracellular) Blocking Peptide (#BLP-BR002).



### Immunohistochemistry

**Image 2.** Expression of Bombesin receptor 2 in human colon - Immunohistochemical staining of paraffin-embedded human colon using Anti-Bombesin Receptor 2 (GRPR) (extracellular) Antibody (ABIN7043210 and ABIN7043937), (1:50). (A and B) Human colon showing malignant growth. Staining is specific for epithelium-derived malignant cells. (C and D) Normal colon, staining is specific for absorptive epithelial cells in the crypts of Lieberkuhn. Histofine (pink) is used for the color reaction. Hematoxilin is used as the counterstain.



### Immunocytochemistry

**Image 3.** Expression of Bombesin receptor 2 in human HT-29 cells - Cell surface detection of BB2 receptor in live intact human HT-29 (colorectal adenocarcinoma) cells. Cells were stained with Anti-Bombesin Receptor 2 (GRPR) (extracellular) Antibody (ABIN7043210 and ABIN7043937) (1:100), followed by goat-anti-rabbit-AlexaFluor-555 secondary antibody, showing surface expression of the BB2 receptor.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043210.