Datasheet for ABIN7300054

anti-G Protein-Coupled Receptor 116 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	G Protein-Coupled Receptor 116 (GPR116)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This G Protein-Coupled Receptor 116 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GPR116.
Specificity:	Recognizes endogenous levels of GPR116 protein.
Characteristics:	Rabbit polyclonal antibody to GPR116
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	G Protein-Coupled Receptor 116 (GPR116)
Alternative Name:	GPR116 (GPR116 Products)

Target Details

Background:	KIAA0758, Probable G-protein coupled receptor 116
Gene ID:	221395, 245977
UniProt:	Q8IZF2, Q9WVT0
Pathways:	Carbohydrate Homeostasis

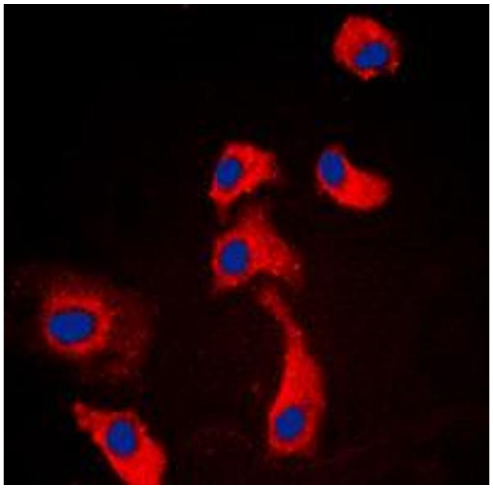
Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % 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:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months

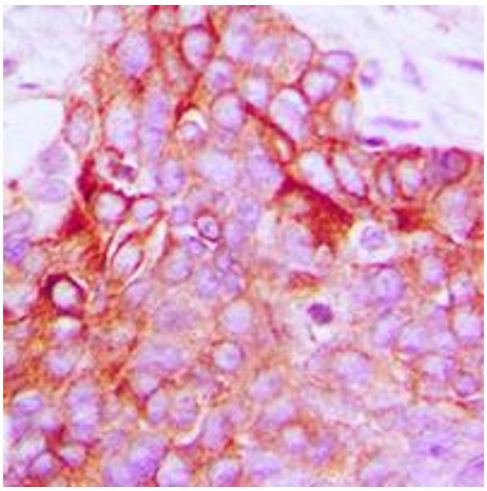
Images



Immunofluorescence

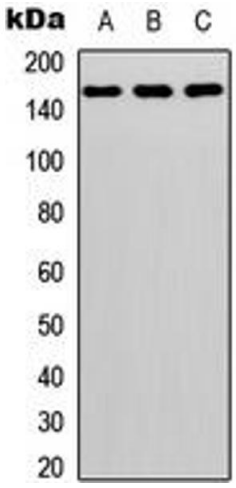
Image 1. Immunofluorescent analysis of GPR116 staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room

temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemistry

Image 2. Immunohistochemical analysis of GPR116 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugad compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. w



Western Blotting

Image 3. Western blot analysis of GPR116 expression in HEK293T (A), Raw264.7 (B), PC12 (C) whole cell lysates.