antibodies

Datasheet for ABIN7043218 anti-Glucagon Receptor antibody (1st Extracellular Loop)





Overview

Quantity:	25 µL
Target:	Glucagon Receptor (GCGR)
Binding Specificity:	1st Extracellular Loop, AA 200-212
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glucagon Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)KTRYSQKIGDDLS, corresponding to amino acid residues 200-212 of
	rat GCGR
lsotype:	lgG
Characteristics:	Anti-Glucagon Receptor (extracellular) Antibody is directed against an epitope of the rat
	glucagon receptor. Anti-Glucagon Receptor (extracellular) Antibody (ABIN7043218,
	ABIN7044410 and ABIN7044411)) can be used in western blot and immunohistochemistry
	applications. The antibody recognizes an extracellular epitope and is thus ideal for detecting the
	receptor in living cells. It has been designed to recognize GCGR from rat, mouse and human
	samples.
Purification:	Affinity purified on immobilized antigen.

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Target Details

Target:	Glucagon Receptor (GCGR)
Alternative Name:	Glucagon Receptor (GCGR Products)
Background:	Alternative names: Glucagon Receptor, GCGR
Gene ID:	24953
NCBI Accession:	NM_000160
UniProt:	P30082
Pathways:	Carbohydrate Homeostasis, Regulation of Carbohydrate Metabolic Process

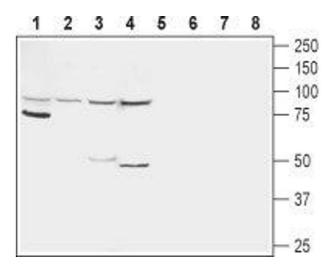
Application Details

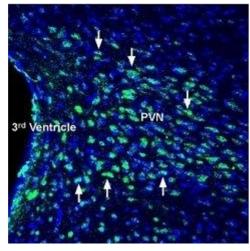
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	25 μL , 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).

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Western Blotting

Image 1. Western blot analysis of rat kidney (lanes 1 and 5), rat liver (lanes 2 and 6), mouse liver (lanes 3 and 7) and human HepG2 liver carcinoma cell line (lanes 4 and 8) lysates: - 1-4. Anti-Glucagon Receptor (extracellular) Antibody (ABIN7043218, ABIN7044410 and ABIN7044411), (1:200).5-8. Anti-Glucagon Receptor (extracellular) Antibody, preincubated with Glucagon Receptor (extracellular) Blocking Peptide (#BLP-GR024).

Immunohistochemistry

Image 2. Expression of Glucagon receptor in mouse hypothalamus - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-Glucagon Receptor (extracellular) Antibody (ABIN7043218, ABIN7044410 and ABIN7044411), (1:200), followed by goat-anti-rabbit-AlexaFluor-488 secondary antibody. GCGR staining (green) in mouse hypothalamus is detected in neurons (arrows) from the 3rd ventricle wall outlining the paraventricular nucleus (PVN). Cell nuclei are stained with DAPI (blue).

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