

Datasheet for ABIN7043173
anti-GPR81 antibody (C-Term, Intracellular)[Go to Product page](#)

2 Images

Overview

Quantity:	0.2 mL
Target:	GPR81
Binding Specificity:	AA 319-332, C-Term, Intracellular
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPR81 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: CSKSSIDGANRSQR, corresponding to amino acid residues 319-332 of mouse GPR81 (HCAR1)
Isotype:	IgG
Cross-Reactivity (Details):	The antibody will not recognize human GPR81 (HCAR1).
Characteristics:	Anti-GPR81/HCAR1 Antibody (ABIN7043173, ABIN7044514 and ABIN7044515)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot analysis. It has been designed to recognize HCAR1 from rat and mouse samples. The antibody will not recognize human GPR81.
Purification:	Affinity purified on immobilized antigen.

Target Details

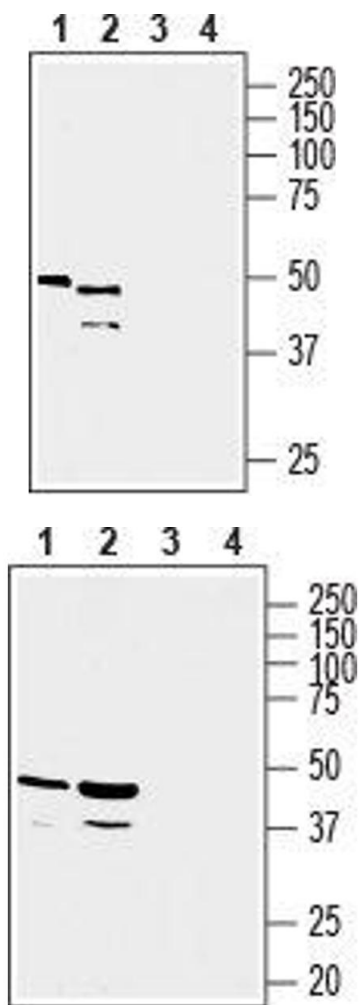
Target:	GPR81
Alternative Name:	GPR81/HCAR1 (GPR81 Products)
Background:	Alternative names: Hydroxycarboxylic acid receptor 1, HCA1 Receptor, G-protein coupled receptor 81, GPR81, G Protein-Coupled Receptor 104, LACR1
Gene ID:	243270
NCBI Accession:	NM_032554
UniProt:	Q8C131

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:	<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 mouse kidney lysate (lanes 1 and 3) and mouse liver membrane (lanes 2 and 4): - 1, 2. Anti-GPR81/HCAR1 Antibody (ABIN7043173, ABIN7044514 and ABIN7044515), (1:200). 3, 4. Anti-GPR81/HCAR1 Antibody, preincubated with GPR81/HCAR1 Blocking Peptide (#BLP-HR011) (#BLP-HR011).

Western Blotting

Image 2. Western blot analysis of rat kidney (lanes 1 and 3) and rat liver (lanes 2 and 4) lysates: - 1, 2. Anti-GPR81/HCAR1 Antibody (ABIN7043173, ABIN7044514 and ABIN7044515), (1:200). 3, 4. Anti-GPR81/HCAR1 Antibody, preincubated with GPR81/HCAR1 Blocking Peptide (#BLP-HR011) (#BLP-HR011).