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Anti-GPR81 Antibody

Catalog # AP51959

Product Information

Application	WB
Primary Accession	Q9BXC0
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39295

Additional Information

Gene ID	27198
Other Names	GPR104; GPR81; HCA1; Hydroxycarboxylic acid receptor 1; G-protein coupled receptor 104; G-protein coupled receptor 81
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GPR81. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

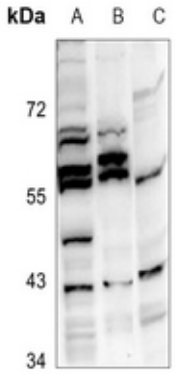
Protein Information

Name	HCAR1
Synonyms	GPR104, GPR81, HCA1
Function	Acts as a receptor for L-lactate and mediates its anti- lipolytic effect through a G(i)-protein-mediated pathway.
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed abundantly in brown and white fat. It also detectable at lower levels in liver, kidney, skeletal muscle, brain and pituitary. Not detected in frontal, temporal and occipital lobes of the cortex, basal forebrain, caudate nucleus, nucleus accumbens and hippocampus.

References

Lee D.K.,et al.Gene 275:83-91(2001).
Liu C.,et al.J. Biol. Chem. 284:2811-2822(2009).
Wang Y.-G.,et al.Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.
Suwa M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
King M.M.,et al.Submitted (DEC-2003) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of GPR81 expression in HepG2 (A), HEK293T (B), BV2 (C) whole cell lysates. (Predicted band size: 39 kD; Observed band size: 43 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.