

GPR81 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

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	Hydroxycarboxylic acid receptor 1, G-protein coupled receptor 104, G-protein coupled receptor 81, HCAR1, GPR104, GPR81, HCA1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GPR81. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
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.

Background

Acts as a receptor for L-lactate and mediates its anti- lipolytic effect through a G(i)-protein-mediated pathway.

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.

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