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GPR81 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16232b

Product Information

Application	WB, E
Primary Accession	Q9BXC0
Other Accession	NP_115943.1
Reactivity	Human
Predicted	Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30322
Calculated MW	39295
Antigen Region	287-316

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	This GPR81 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 287-316 amino acids from the C-terminal region of human GPR81.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GPR81 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

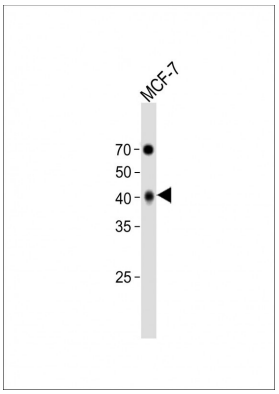
Background

G protein-coupled receptors (GPCRs, or GPRs), such as GPR81, contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins.

References

Bailey, S.D., et al. Diabetes Care (2010) In press :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Jeninga, E.H., et al. J. Biol. Chem. 284(39):26385-26393(2009)
Liu, C., et al. J. Biol. Chem. 284(5):2811-2822(2009)
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Images



All lanes: Anti-GPR81 Antibody (C-term) at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 39 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

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