

GPR81 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16232b

Specification

GPR81 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q9BXC0
Other Accession	NP_115943.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	287-316

GPR81 Antibody (C-term) - 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 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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.

GPR81 Antibody (C-term) - 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

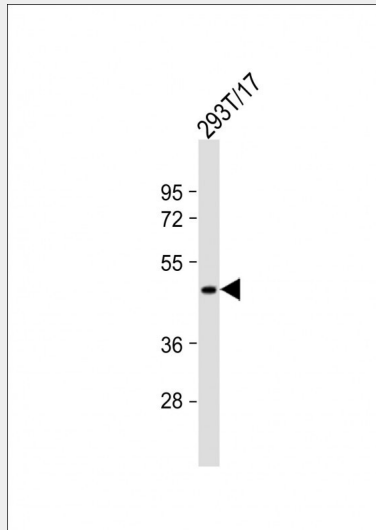
Expressed abundantly in brown and white fat. It also detectable at lower levels in liver, kidney, skeletal muscle, brain and pituitary. Not detected in frontal, temporal and occipital lobes of the cortex, basal forebrain, caudate nucleus, nucleus accumbens and hippocampus.

GPR81 Antibody (C-term) - Protocols

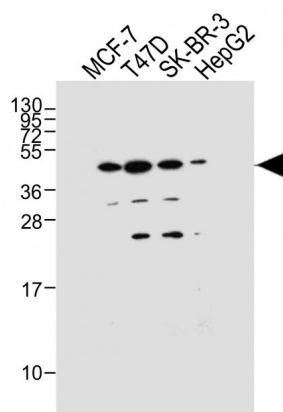
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPR81 Antibody (C-term) - Images



Anti-GPR81 Antibody (C-term) at 1:1000 dilution + 293T/17 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



All lanes : Anti-GPR81 Antibody (C-term) at 1:1000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: T47D whole cell lysate Lane 3: SK-BR-3 whole cell lysate Lane 4: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

GPR81 Antibody (C-term) - Background

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

GPR81 Antibody (C-term) - 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)
Cai, T.Q., et al. Biochem. Biophys. Res. Commun. 377(3):987-991(2008)