

GPR81 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16232b**Specification**

GPR81 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q9BXC0](#)

GPR81 Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GPR81 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GPR81 Antibody (C-term) Blocking Peptide - Images

GPR81 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)