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GPR81 Blocking Peptide
Synthetic peptide
Catalog # BP6361a

Specification

GPR81 Blocking Peptide - Product Information

Primary Accession	Q9BXC0
Other Accession	NP_115943

GPR81 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

Target/Specificity
The synthetic peptide sequence is selected from aa 296~322 of HUMAN HCAR1

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 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.

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GPR81 Blocking Peptide - Protocols

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

- Blocking Peptides

GPR81 Blocking Peptide - Images

GPR81 Blocking Peptide - Background

G protein-coupled receptors (GPCRs, or GPRs) contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. Northern analyses revealed GPR81 expression in the pituitary.

GPR81 Blocking Peptide - References

Mao, M., et al., Genomics 83(6):989-999 (2004).
Lee, D.K., et al., Gene 275(1):83-91 (2001).