10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse GPR81-C7 Blocking Peptide

Synthetic peptide
Catalog # BP6362b

Specification

Mouse GPR81-C7 Blocking Peptide - Product Information

Primary Accession	Q8C131
Other Accession	NP_780729

Mouse GPR81-C7 Blocking Peptide - Additional Information

Gene ID 243270

Other Names
Hydroxycarboxylic acid receptor 1, G-protein coupled receptor 81, Hcar1, Gpr81

Target/Specificity
The synthetic peptide sequence is selected from aa 8-21 of MOUSE 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.

Mouse GPR81-C7 Blocking Peptide - Protein Information

Name Hcar1

Synonyms Gpr81

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 {ECO:0000250|UniProtKB:Q9BXC0}; Multi-pass membrane protein

Tissue Location
Highly expressed in subcutaneous fat and omental fat and detectable in lower levels in brain and many other tissues High levels detected in epididymal and subcutaneous fat with slightly lower in omental fat, low levels are detected in the brain, skeletal muscle, kidney, liver and the pancreas (at protein level)

10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse GPR81-C7 Blocking Peptide - Protocols

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

- Blocking Peptides

Mouse GPR81-C7 Blocking Peptide - Images

Mouse GPR81-C7 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.

Mouse GPR81-C7 Blocking Peptide - References

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