

M Gpr68 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20524c**Specification**

M Gpr68 Blocking Peptide (Center) - Product Information

Primary Accession [Q8BFQ3](#)
Other Accession [Q15743](#), [Q46685](#)

M Gpr68 Blocking Peptide (Center) - Additional Information

Gene ID 238377

Other Names

Ovarian cancer G-protein coupled receptor 1, G-protein coupled receptor 68,
Sphingosylphosphorylcholine receptor, Gpr68, Ogr1

Target/Specificity

The synthetic peptide sequence is selected from aa 213-225 of Mouse Gpr68

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.

M Gpr68 Blocking Peptide (Center) - Protein Information

Name Gpr68

Synonyms Ogr1

Function

Proton-sensing receptor involved in pH homeostasis. May represents an osteoblastic pH sensor regulating cell-mediated responses to acidosis in bone. Mediates its action by association with G proteins that stimulates inositol phosphate (IP) production or Ca(2+) mobilization. The receptor is almost silent at pH 7.8 but fully activated at pH 6.8. Also functions as a metastasis suppressor gene in prostate cancer.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Expressed in the lung, testis, heart, brain, spleen, thymus, brown fat, small intestine, colon,

peripheral blood leukocytes, macrophages, stomach, ovary and white fat but not in the liver, kidney, and skeletal muscle. Expression in the prostate is weak but detectable.

M Gpr68 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

M Gpr68 Blocking Peptide (Center) - Images

M Gpr68 Blocking Peptide (Center) - Background

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M Gpr68 Blocking Peptide (Center) - References

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Vassilatis D.K., et al. Proc. Natl. Acad. Sci. U.S.A. 100:4903-4908(2003).
Singh L.S., et al. J. Natl. Cancer Inst. 99:1313-1327(2007).
Frick K.K., et al. J. Bone Miner. Res. 24:305-313(2009).
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