

MAGI3 Blocking Peptide (C-Term)
Synthetic peptide
Catalog # BP21866b**Specification**

MAGI3 Blocking Peptide (C-Term) - Product InformationPrimary Accession [Q5TCQ9](#)**MAGI3 Blocking Peptide (C-Term) - Additional Information****Gene ID** 260425**Other Names**Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3,
Membrane-associated guanylate kinase inverted 3, MAGI-3, MAGI3, KIAA1634**Target/Specificity**

The synthetic peptide sequence is selected from aa 1350-1360 of HUMAN MAGI3

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.

MAGI3 Blocking Peptide (C-Term) - Protein Information**Name** MAGI3**Synonyms** KIAA1634**Function**

Acts as a scaffolding protein at cell-cell junctions, thereby regulating various cellular and signaling processes. Cooperates with PTEN to modulate the kinase activity of AKT1. Its interaction with PTPRB and tyrosine phosphorylated proteins suggests that it may link receptor tyrosine phosphatase with its substrates at the plasma membrane. In polarized epithelial cells, involved in efficient trafficking of TGFA to the cell surface. Regulates the ability of LPAR2 to activate ERK and RhoA pathways. Regulates the JNK signaling cascade via its interaction with FZD4 and VANGL2.

Cellular LocationCell membrane; Peripheral membrane protein. Cell junction, tight junction. Nucleus.
Note=Concentrates in specific sites at the plasma membrane and in the nucleus. In epithelial cells, it localizes at tight junctions (By similarity).

Tissue Location

Widely expressed..

MAGI3 Blocking Peptide (C-Term) - Protocols

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

- [Blocking Peptides](#)

MAGI3 Blocking Peptide (C-Term) - Images**MAGI3 Blocking Peptide (C-Term) - Background**

Acts as a scaffolding protein at cell-cell junctions, thereby regulating various cellular and signaling processes. Cooperates with PTEN to modulate the kinase activity of AKT1. Its interaction with PTPRB and tyrosine phosphorylated proteins suggests that it may link receptor tyrosine phosphatase with its substrates at the plasma membrane. In polarized epithelial cells, involved in efficient trafficking of TGFA to the cell surface. Regulates the ability of LPAR2 to activate ERK and RhoA pathways. Regulates the JNK signaling cascade via its interaction with FZD4 and VANGL2.

MAGI3 Blocking Peptide (C-Term) - References

Wu Y.,et al.J. Biol. Chem. 275:21477-21485(2000).
Franklin J.L.,et al.Exp. Cell Res. 303:457-470(2005).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Nagase T.,et al.DNA Res. 7:273-281(2000).