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MTUS1 Blocking Peptide (C-Term)

Synthetic peptide
Catalog # BP22012b

Specification

MTUS1 Blocking Peptide (C-Term) - Product Information

Primary Accession	Q9ULD2
Other Accession	Q5R9I1

MTUS1 Blocking Peptide (C-Term) - Additional Information

Gene ID 57509

Other Names
Microtubule-associated tumor suppressor 1, AT2 receptor-binding protein, Angiotensin-II type 2 receptor-interacting protein, Mitochondrial tumor suppressor 1, MTUS1, ATBP, ATIP, GK1, KIAA1288, MTSG1

Target/Specificity
The synthetic peptide sequence is selected from aa 1003-1017 of HUMAN MTUS1

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.

MTUS1 Blocking Peptide (C-Term) - Protein Information

Name MTUS1

Synonyms ATBP, ATIP, GK1, KIAA1288, MTSG1

Function
Cooperates with AGTR2 to inhibit ERK2 activation and cell proliferation. May be required for AGTR2 cell surface expression. Together with PTPN6, induces UBE2V2 expression upon angiotensin-II stimulation. Isoform 1 inhibits breast cancer cell proliferation, delays the progression of mitosis by prolonging metaphase and reduces tumor growth.

Cellular Location
Mitochondrion. Golgi apparatus. Cell membrane. Nucleus. Note=In neurons, translocates into the nucleus after treatment with angiotensin-II.

Tissue Location

Ubiquitously expressed (at protein level). Highly expressed in brain. Down-regulated in ovarian carcinoma, pancreas carcinoma, colon carcinoma and head and neck squamous cell carcinoma (HNSCC). Isoform 1 is the major isoform in most peripheral tissues Isoform 2 is abundant in most peripheral tissues. Isoform 3 is the major isoform in brain, female reproductive tissues, thyroid and heart Within brain it is highly expressed in corpus callosum and pons Isoform 6 is brain-specific, it is the major isoform in cerebellum and fetal brain.

MTUS1 Blocking Peptide (C-Term) - Protocols

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

- Blocking Peptides

MTUS1 Blocking Peptide (C-Term) - Images

MTUS1 Blocking Peptide (C-Term) - Background

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MTUS1 Blocking Peptide (C-Term) - References

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