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AGTRAP Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18437b

Specification

AGTRAP Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q6RW13

AGTRAP Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 57085

Other Names
Type-1 angiotensin II receptor-associated protein, AT1 receptor-associated protein, AGTRAP, ATRAP

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.

AGTRAP Antibody (C-term) Blocking Peptide - Protein Information

Name AGTRAP

Synonyms ATRAP

Function
Appears to be a negative regulator of type-1 angiotensin II receptor-mediated signaling by regulating receptor internalization as well as mechanism of receptor desensitization such as phosphorylation. Induces also a decrease in cell proliferation and angiotensin II- stimulated transcriptional activity.

Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Note=Present in perinuclear vesicular membranes, Endoplasmic reticulum, Golgi and endocytic vesicles

Tissue Location
Ubiquitous but more abundant in kidney, heart, pancreas and thyroid.

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AGTRAP Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

AGTRAP Antibody (C-term) Blocking Peptide - Images

AGTRAP Antibody (C-term) Blocking Peptide - Background

This gene encodes a transmembrane protein localized to theplasma membrane and perinuclear vesicular structures. The geneproduct interacts with the angiotensin II type I receptor andnegatively regulates angiotensin II signaling. Alternative splicingof this gene generates multiple transcript variants encodingdifferent isoforms.

AGTRAP Antibody (C-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Godin, C.M., et al. Mol. Pharmacol. 77(3):388-395(2010)Rabbitts, J.A., et al. J. Physiol. (Lond.) 587 (PT 22), 5441-5449 (2009) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Newton-Cheh, C., et al. Nat. Genet. 41(6):666-676(2009)