

MAS1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14230b**Specification**

MAS1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [P04201](#)

MAS1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 4142

Other Names

Proto-oncogene Mas, MAS1, MAS

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.

MAS1 Antibody (C-term) Blocking Peptide - Protein Information

Name MAS1

Synonyms MAS

Function

Receptor for angiotensin 1-7 (By similarity). Acts specifically as a functional antagonist of AGTR1 (angiotensin-2 type 1 receptor), although it up-regulates AGTR1 receptor levels. Positive regulation of AGTR1 levels occurs through activation of the G-proteins GNA11 and GNAQ, and stimulation of the protein kinase C signaling cascade. The antagonist effect on AGTR1 function is probably due to AGTR1 being physically altered by MAS1.

Cellular Location

Cell membrane; Multi-pass membrane protein

MAS1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MAS1 Antibody (C-term) Blocking Peptide - Images**MAS1 Antibody (C-term) Blocking Peptide - Background**

The structure of the MAS1 product indicates that it belongs to the class of receptors that are coupled to GTP-binding proteins and share a conserved structural motif, which is described as a '7-transmembrane segment' following the prediction that these hydrophobic segments form membrane-spanning alpha-helices. The MAS1 protein may be a receptor that, when activated, modulates a critical component in a growth-regulating pathway to bring about oncogenic effects.

MAS1 Antibody (C-term) Blocking Peptide - References

Yang, J.K., et al. Diabetes Care 33(10):2271-2273(2010)
Reis, A.B., et al. J. Mol. Histol. 41(1):75-80(2010)
Trynka, G., et al. Gut 58(8):1078-1083(2009)
Iwai, M., et al. Hypertens. Res. 32(7):533-536(2009)
Vaz-Silva, J., et al. Reprod Sci 16(3):247-256(2009)