

MAS1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP14230b

Product Information

Application WB, E **Primary Accession** P04201 **Other Accession** NP 002368.1 Reactivity Human Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB34240 **Calculated MW** 37465 285-314 **Antigen Region**

Additional Information

Gene ID 4142

Other Names Proto-oncogene Mas, MAS1, MAS

Target/Specificity This MAS1 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 285-314 amino acids from the

C-terminal region of human MAS1.

Dilution WB~~1:1000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions MAS1 Antibody (C-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

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

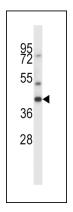
Background

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.

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)

Images



MAS1 Antibody (C-term) (Cat. #AP14230b) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the MAS1 antibody detected the MAS1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.