



Rabbit Anti-MAS1 antibody

SL5925R

Product Name:	MAS1
Chinese Name:	MAS1癌基因抗体
Alias:	Mas-related G protein-coupled receptor A; MAS1 oncogene; MAS; MGRA; MAS HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,Guinea Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	37kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MAS1:51-150/325<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

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.

Subunit:

Interacts with AGTR1 (Probable).

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

P04201

Gene ID:

4142

Database links:

[Entrez Gene: 4142](#)Human

[Omir: 165180](#)Human

[SwissProt: P04201](#)Human

[Unigene: 99900](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.