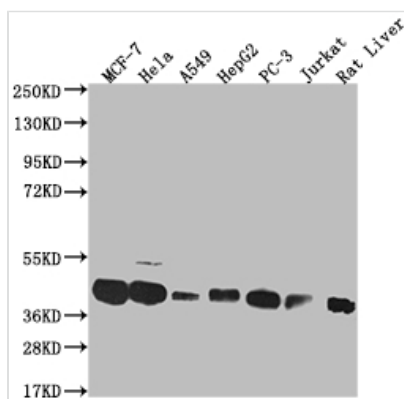




MAS1L Recombinant Monoclonal Antibody

Product Code	CSB-RA971033A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P35410
Immunogen	A synthesized peptide derived from human MAS1L
Species Reactivity	Human, Rat
Tested Applications	ELISA, WB, IF, FC; Recommended dilution: WB:1:500-1:2000, IF:1:50-1:200, FC:1:50-1:200
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience; Signal transduction
Gene Names	MAS1L
Clone No.	15B8

Image

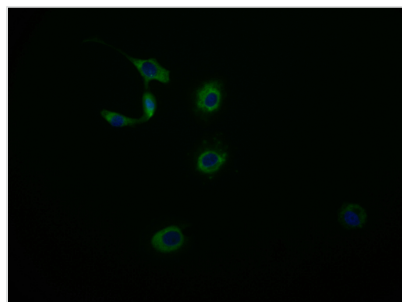


Western Blot

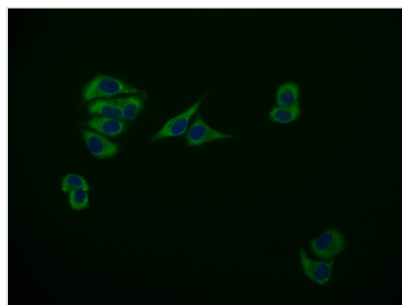
Positive WB detected in: MCF-7 whole cell lysate, HeLa whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate, PC-3 whole cell lysate, Jurkat whole cell lysate, Rat liver tissue
All lanes: MAS1L antibody at 1:1000

Secondary

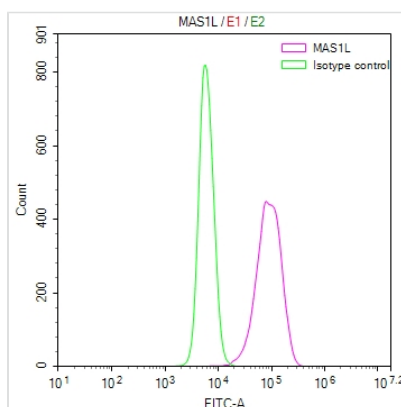
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 43 kDa
Observed band size: 36-50 kDa



Immunofluorescence staining of MCF-7 cell with CSB-RA971033A0HU at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 595-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescence staining of Hela cell with CSB-RA971033A0HU at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 595-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Overlay Peak curve showing Hela cells stained with CSB-RA971033A0HU (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10⁶cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Rabbit IgG(H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was Rabbit IgG (1ug/1*10⁶cells) used under the same conditions.

Description

The MAS1L recombinant monoclonal antibody is produced through a process of genetic engineering that involves cloning and expression of the gene encoding for the MAS1L monoclonal antibody. The immunogen used to generate the MAS1L monoclonal antibody is the synthesized peptide derived from human MAS1L protein. The obtained MAS1L recombinant monoclonal antibody is purified using affinity chromatography to ensure high and purity. This MAS1L recombinant monoclonal antibody can specifically recognize and bind to the MAS1L protein. It has been validated for use in human and rat samples. Multiple applications including ELISA, WB, IF, and FC have been carried out to test the quality and specificity of the MAS1L recombinant monoclonal antibody.

MAS1L is primarily expressed in the adrenal gland, but is also found in other tissues including the brain, kidney, and heart. It is involved in the regulation of blood pressure and cardiovascular homeostasis through the renin-angiotensin system (RAS). MAS1L is activated by angiotensin-(1-7), a peptide hormone that opposes the effects of angiotensin II, which promotes vasoconstriction and raises blood pressure. Activation of MAS1L leads to vasodilation and a decrease in blood pressure. MAS1L has been found to be expressed on



immune cells such as macrophages, and its activation has been shown to inhibit the release of inflammatory cytokines.