



## Rabbit Anti-GMIP antibody

SL13458R

<b>Product Name:</b>	GMIP
<b>Chinese Name:</b>	GEM相互作用蛋白抗体
<b>Alias:</b>	ARHGAP46; GEM interacting protein.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	107kDa
<b>Cellular localization:</b>	The nucleuscytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human GMIP:51-150/970
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The Rho family of GTP-binding proteins plays a role in the development of neuronal structure. The activation of the GTP-bound form is regulated by GTPase-activating proteins, which stimulate GTP hydrolysis, leading to inactivation. GMIP (Gem-interacting protein) is a 970 amino acid protein that stimulates the GTPase activity of RhoA in vitro and in vivo. GMIP interacts with Gem through its N-terminus and has a Rho GTPase-activating protein domain at its C-terminus. GMIP is able to inhibit RhoA function, leading to Actin cytoskeletal reorganization in vivo. Encoded by a gene that

maps to human chromosome 19p13.11, GMIP contains one phorbol-ester/DAG-type zinc finger and one Rho-GAP domain.

**Function:**

Stimulates, in vitro and in vivo, the GTPase activity of RhoA.

**Subunit:**

Interacts with GEM through its N-terminal.

**Similarity:**

Contains 1 phorbol-ester/DAG-type zinc finger.

Contains 1 Rho-GAP domain.

**SWISS:**

Q9P107

**Gene ID:**

51291

**Database links:**

[Entrez Gene: 51291](#)Human

[Omim: 609694](#)Human

[SwissProt: Q9P107](#)Human

[Unigene: 49427](#)Human

**Important Note:**

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