



## Rabbit Anti-RASA3 antibody

SL5954R

<b>Product Name:</b>	RASA3
<b>Chinese Name:</b>	Ras-GTP酶激活蛋白3抗体
<b>Alias:</b>	GAP III; GAP1(IP4BP); GAP1IP4BP; GAPIII; GTPase activating protein III; Inositol 1 3 4 5 tetrakisphosphate binding protein; Inositol 1345 tetrakisphosphate binding protein; Ins P4 binding protein; Ins(1 3 4 5)P4 binding protein; Ins(1345)P4 binding protein; Ras GTPase activating protein 3; RAS p21 protein activator 3; RASA 3.RASA3 HUMAN
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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>	91kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human RASA3:501-600/834
<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>	RASA3 is a inhibitory regulator of the Ras-cyclic AMP pathway and is a member of the GAP1 family of GTPase-activating proteins. It stimulates the GTPase activity of normal RAS p21 but not its oncogenic counterpart. Acting as a suppressor of RAS function, the protein enhances the weak intrinsic GTPase activity of RAS proteins resulting in the

inactive GDP-bound form of RAS, thereby allowing control of cellular proliferation and differentiation. RASA3 is an inositol 1,3,4,5-tetrakisphosphate-binding protein (IP4).

**Function:**

Inhibitory regulator of the Ras-cyclic AMP pathway. Binds inositol tetrakisphosphate (IP4) with high affinity. Might be a specific IP4 receptor.

**Subcellular Location:**

Cell membrane.

**Similarity:**

Contains 1 Btk-type zinc finger.

Contains 2 C2 domains.

Contains 1 PH domain.

Contains 1 Ras-GAP domain.

**SWISS:**

Q14644

**Gene ID:**

22821

**Database links:**

[Entrez Gene: 22821](#)Human

[Entrez Gene: 19414](#)Mouse

[Entrez Gene: 29372](#)Rat

[Omim: 605182](#)Human

[SwissProt: Q14644](#)Human

[SwissProt: Q60790](#)Mouse

[SwissProt: Q9QYJ2](#)Rat

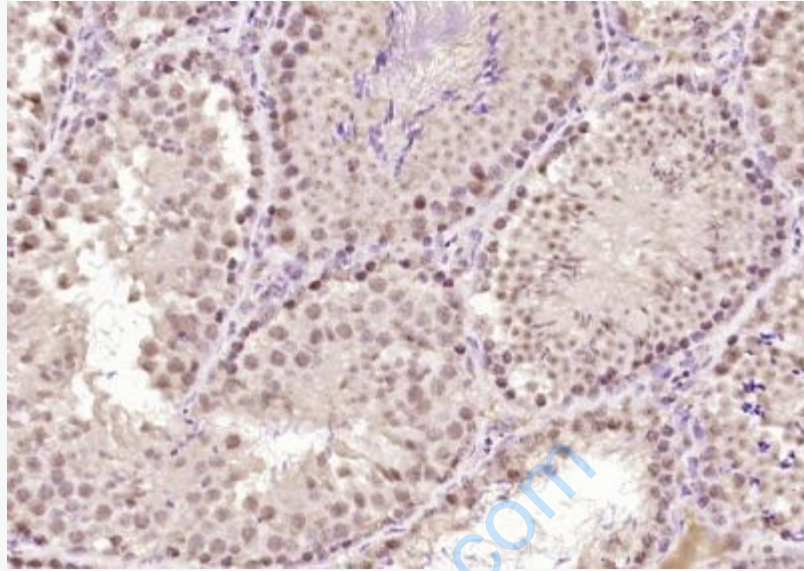
[Unigene: 593075](#)Human

[Unigene: 18517](#)Mouse

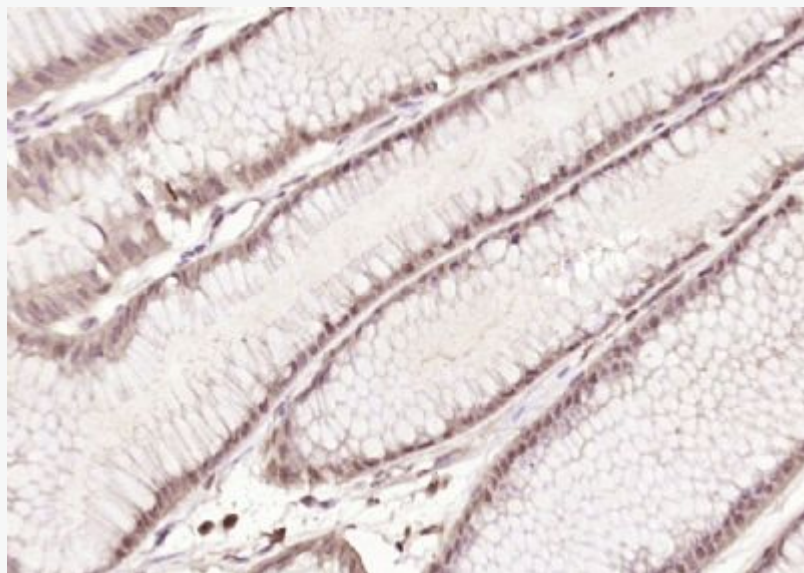
[Unigene: 224604](#)Rat

**Important Note:**

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

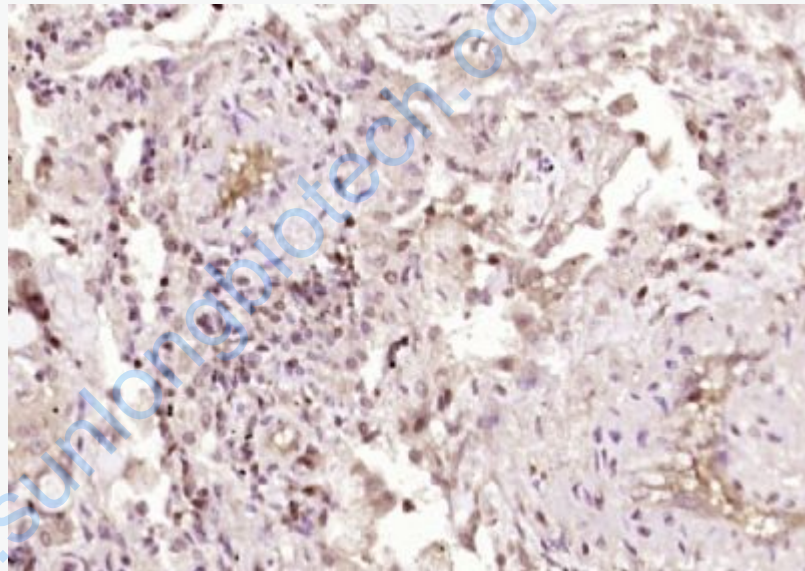


Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RASA3) Polyclonal Antibody, Unconjugated (SL5954R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RASA3) Polyclonal Antibody, Unconjugated (SL5954R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RASA3) Polyclonal Antibody, Unconjugated (SL5954R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.