



Rabbit Anti-GASC1/KDM4C antibody

SL5934R

Product Name:	GASC1/KDM4C
Chinese Name:	鳞状细胞癌增强蛋白1抗体
Alias:	GASC 1 protein; GASC1 antibody Gene amplified in squamous cell carcinoma 1 protein; JHDM3C; JmjC domain containing histone demethylation protein 3C; Jumonji domain containing protein 2C; KDM4C HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=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.
Molecular weight:	120kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human KDM4C/GASC1/JMJD2C:201-300/1056
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:	KDM4C/JMJD2C, a jumonji domain containing protein, is a histone demethylase. JMJD2C specifically demethylates Lysine 9 and Lysine 36 residues of Histone H3, thereby playing a central role in regulating histone modifications.

Function:

Histone demethylase that specifically demethylates 'Lys-9' and 'Lys-36' residues of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27' nor H4 'Lys-20'. Demethylates trimethylated H3 'Lys-9' and H3 'Lys-36' residue, while it has no activity on mono- and dimethylated residues. Demethylation of Lys residue generates formaldehyde and succinate.

Subcellular Location:

Nucleus.

Tissue Specificity:

Overexpressed in several esophageal squamous cell carcinomas (ESCs).

Similarity:

Belongs to the JHDM3 histone demethylase family.

Contains 1 JmjC domain.

Contains 1 JmjN domain.

Contains 2 PHD-type zinc fingers.

Contains 2 Tudor domains.

SWISS:

Q9H3R0

Gene ID:

23081

Database links:

[Entrez Gene: 23081](#)Human

[Entrez Gene: 76804](#)Mouse

[Entrez Gene: 298144](#)Rat

[Omim: 605469](#)Human

[SwissProt: Q9H3R0](#)Human

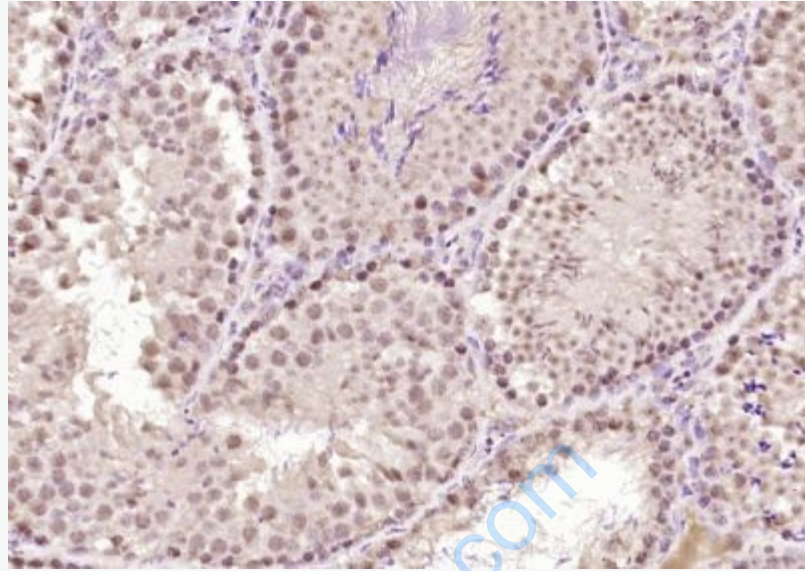
[SwissProt: Q8VCD7](#)Mouse

[Unigene: 709425](#)Human

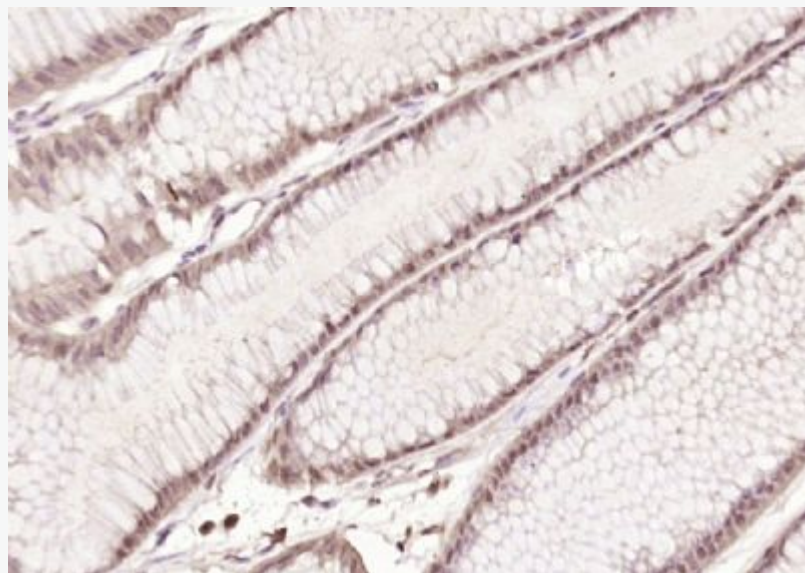
[Unigene: 209059](#)Mouse

Important Note:

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

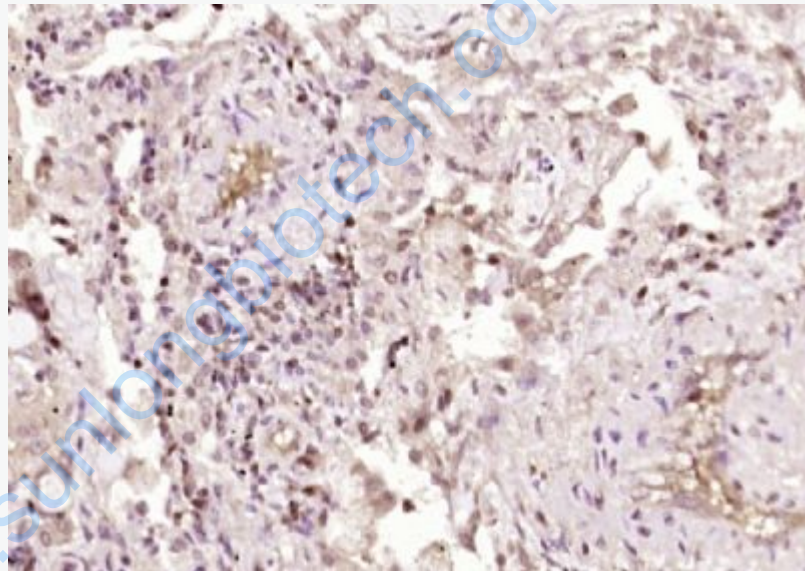


Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RASA3) Polyclonal Antibody, Unconjugated (SL5934R) 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 (SL5934R) 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 (SL5934R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.