



Rabbit Anti-JMJD5 antibody

SL8047R

Product Name:	JMJD5
Chinese Name:	组蛋白去甲基化酶JMJD5抗体
Alias:	JmjC domain-containing protein 5; JMJD5; JMJD5 protein; jumonji domain containing 5; Jumonji domain-containing protein 5; KDM8_HUMAN; Lysine-specific demethylase 8.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	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.
Molecular weight:	47kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human JMJD5:344-416/416
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:	This gene likely encodes a histone lysine demethylase. Studies of a similar protein in mouse indicate a potential role for this protein as a tumor suppressor. Alternatively spliced transcript variants have been described.[provided by RefSeq, Feb 2009]. Function:

Histone demethylase required for G2/M phase cell cycle progression. Specifically demethylates dimethylated 'Lys-36' (H3K36me2) of histone H3, an epigenetic repressive mark, thereby acting as a transcription activator. Regulates expression of CCNA1 (cyclin-A1), leading to regulate cancer cell proliferation.

Subcellular Location:

Nucleus.

Tissue Specificity:

Weakly expressed in most cells. Highly expressed in breast cancer cells.

Similarity:

Contains 1 JmjC domain.

SWISS:

Q8N371

Gene ID:

79831

Database links:

[Entrez Gene: 79831](#)Human

[Entrez Gene: 77035](#)Mouse

[Entrez Gene: 308976](#)Rat

[Oimim: 611917](#)Human

[SwissProt: Q8N371](#)Human

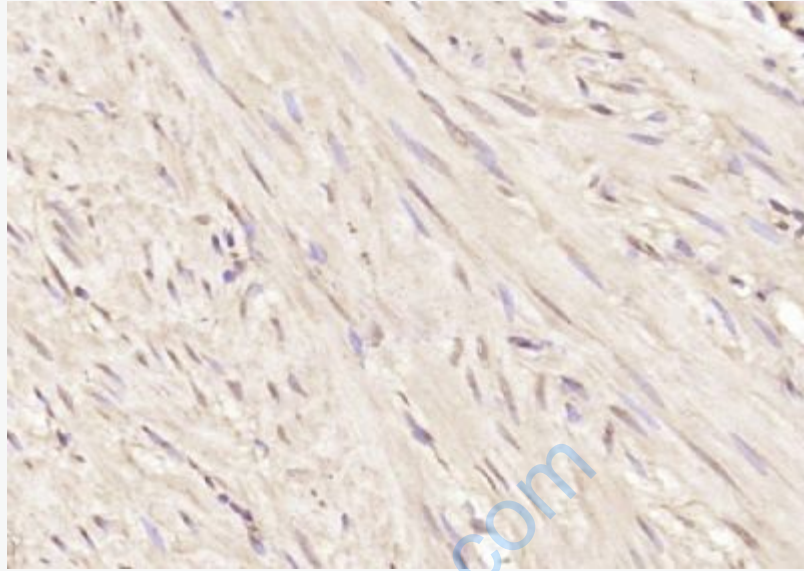
[SwissProt: Q9CXT6](#)Mouse

[SwissProt: Q497B8](#)Rat

[Unigene: 145717](#)Human

Important Note:

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



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 (JMJD5) Polyclonal Antibody, Unconjugated (SL8047R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.