SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GASC1/KDM4C antibody

Catalog Number: SL22322R

FOR RESEARCH USE ONLY

[DATASHEET]

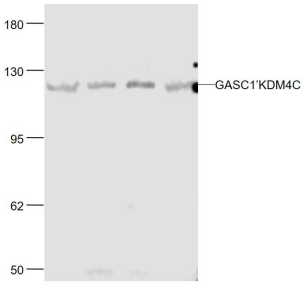
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GASC1/KDM4C
Immunogen:	KLH conjugated synthetic peptide derived from human GASC1/KDM4C: 291-390/1056
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit)
Predicted MW.:	120kDa
Subcellular Location:	The nucleus
Background:	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.

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

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	Contains 1 JmjC domain. Contains 1 JmjN domain. Contains 2 PHD-type zinc fingers. Contains 2 Tudor domains. **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

[VALIDATION IMAGES]



Sample:
A431 (Human) Cell Lysate at 30 ug
HepG2 (Human) Cell Lysate at 30 ug
Hela (Human) Cell Lysate at 30 ug
HL60 (Human) Cell Lysate at 30 ug
Primary: Anti- GASC1/KDM4C (SL22322R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 100/120 kD
Observed band size: 120 kD

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