



Rabbit Anti-Jarid1C antibody

SL11000R

Product Name:	Jarid1C
Chinese Name:	组蛋白去甲基化Jarid1C抗体
Alias:	SmcX protein; Xel69 protein; DXS1272E; Histone demethylase JARID1C; JmjC domain containing protein SMCX; Jumonji AT rich interactive domain 1C; Jumonji/ARID domain-containing protein 1C; KDM5C; KDM5C_HUMAN; Lysine (K) specific demethylase 5C; Lysine-specific demethylase 5C; MRXJ; MRXSCJ; MRXSJ; Protein SmcX; Protein Xel69; rbp2 like protein; Selected cDNA on X; Smcx homolog X chromosome; SmcX protein; Smcy homolog X linked; XE169; Xel69 protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
Applications:	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.
Molecular weight:	176kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Jarid1C:1051-1150/1560
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 is a member of the SMCY homolog family and encodes a protein with one ARID domain, one JmjC domain, one JmjN domain and two PHD-type zinc fingers. The

DNA-binding motifs suggest this protein is involved in the regulation of transcription and chromatin remodeling. Mutations in this gene have been associated with X-linked mental retardation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]

Function:

Histone demethylase that specifically demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-9', H3 'Lys-27', H3 'Lys-36', H3 'Lys-79' or H4 'Lys-20'. Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-4'. Participates in transcriptional repression of neuronal genes by recruiting histone deacetylases and REST at neuron-restrictive silencer elements.

Subunit:

Part of two distinct complexes, one containing E2F6, and the other containing REST.

Subcellular Location:

Nucleus.

Tissue Specificity:

Expressed in all tissues examined. Highest levels found in brain and skeletal muscle.

Similarity:

Belongs to the JARID1 histone demethylase family.

Contains 1 ARID domain.

Contains 1 JmjC domain.

Contains 1 JmjN domain.

Contains 2 PHD-type zinc fingers.

SWISS:

P41229

Gene ID:

8242

Database links:

[Entrez Gene: 8242Human](#)

[Entrez Gene: 100037295Pig](#)

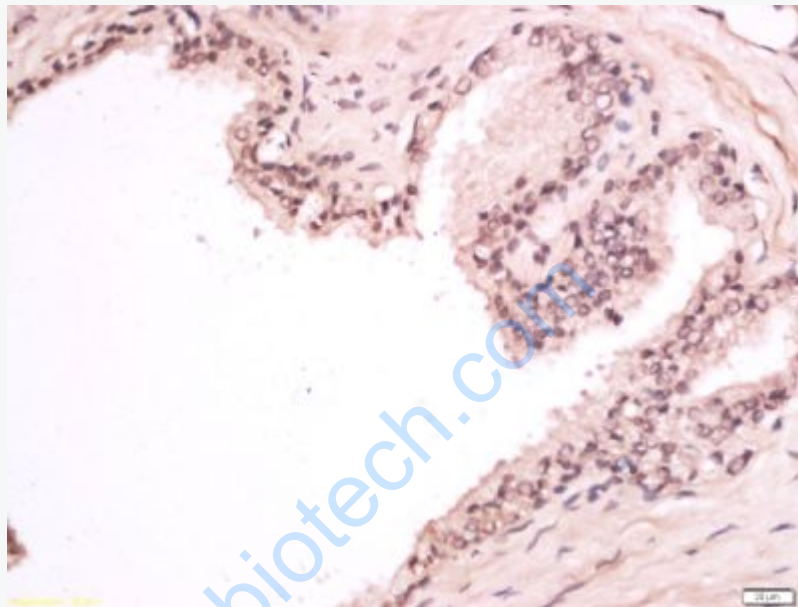
[Omim: 314690Human](#)

[SwissProt: P41229Human](#)

[Unigene: 631768Human](#)

Important Note:

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



Picture:

Tissue/cell: human prostate tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Jarid1C Polyclonal Antibody, Unconjugated(SL11000R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining