

Rabbit KDM5C/Jarid1C/SMCX Polyclonal Antibody | anti-KDM5C antibody

KDM5C/Jarid1C/SMCX Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31252	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%)	ELISA

PRODUCT SYNONYMS

KDM5C/Jarid1C/SMCX; Polyclonal Antibody; KDM5C/Jarid1C/SMCX Antibody; DXS1272E; Histone demethylase JARID1C; JARID1C; JmjC domain containing protein SMCX; Jumonji AT rich interactive domain 1C; Jumonji; AT rich interactive domain 1C (RBP2 like); Jumonji/ARID domain-containing protein 1C; KDM5C; KDM5C_HUMAN; Lysine (K) specific demethylase 5C; Lysine-specific demethylase 5C; MRX13; MRXJ; MRXSCJ; MRXSJ; Protein SmcX; Protein Xe169; rbp2 like protein; Selected cDNA on X; SMCX; Smcx homolog X chromosome; SmcX protein; Smcy homolog X linked; XE169; Xe169 protein; anti-KDM5C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	KDM5C / Jarid1C / SMCX Antibody detects endogenous levels of total KDM5C / Jarid1C / SMCX.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	1560
Applicable Applications for anti-KDM5C antibody	ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human KDM5C / Jarid1C / SMCX, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry-Paraffin)
AAA31252 at 1/100 staining Mouse colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



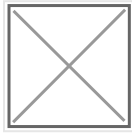
IHC (Immunohistochemistry-Paraffin)
AAA31252 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31252 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31252 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from MCF-7, using KDM5C / Jarid1C / SMCX Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from DU145 cells, using KDM5C / Jarid1C / SMCX Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KDM5C antibody	Function: Histone demethylase that specifically demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code (PubMed:28262558). 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. Represses the CLOCK-ARNTL/BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2 (By similarity).
	Subcellular Location: Nucleus.
	Tissue Specificity: Expressed in all tissues examined. Highest levels found in brain and skeletal muscle.
	Subunit Structure: Part of two distinct complexes, one containing E2F6, and the other containing REST.
	Similarity: The first PHD-type zinc finger domain recognizes and binds H3-K9Me3.Both the JmjC domain and the JmjN domain are required for enzymatic activity.Belongs to the JARID1 histone demethylase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	117949812
NCBI GeneID	8242
UniProt Accession #	P41229
Molecular Weight	Observed Molecular Weight: (Observed)175kD. Predicted Molecular Weight: (Calculated)176kDa.
NCBI Official Full Name	Lysine-specific demethylase 5C
NCBI Official Synonym Full Names	lysine demethylase 5C

NCBI Official Symbol	KDM5C
NCBI Official Synonym Symbols	MRXJ; SMCX; MRX13; MRXSJ; XE169; MRXSCJ; JARID1C; DXS1272E
NCBI Protein Information	lysine-specific demethylase 5C
UniProt Protein Name	Lysine-specific demethylase 5C
UniProt Gene Name	KDM5C
UniProt Synonym Gene Names	DXS1272E; JARID1C; SMCX; XE169
UniProt Entry Name	KDM5C_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kdm5c-jarid1c-smcx-antibody-elisa/31252>