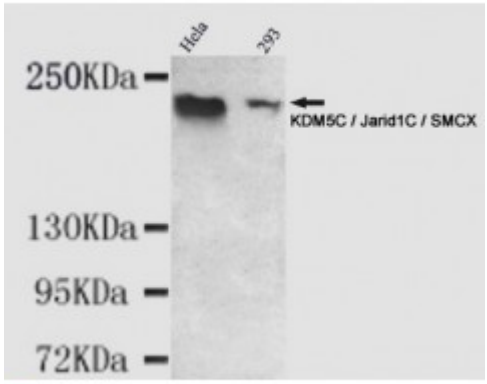
Anti-KDM5C/Jarid1C/SMCX antibody



Description	Mouse monoclonal to KDM5C/Jarid1C/SMCX.

Model	STJ99023
Host	Mouse
Reactivity	Human
Applications	ELISA, WB
Immunogen	Purified recombinant human KDM5C / Jarid1C / SMCX protein fragments expressed in E.coli.
Gene ID	8242
Gene Symbol	KDM5C
Dilution range	WB 1:500-2000ELISA 1:10000-20000
Specificity	This antibody detects endogenous levels of KDM5C / Jarid1C / SMCX and does not corss-react with related proteins.
Tissue Specificity	Expressed in all tissues examined. Highest levels found in brain and skeletal muscle.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clone ID	2E4-E1-G8
Note	For Research Use Only (RUO).
Protein Name	Lysine-specific demethylase 5C Histone demethylase JARID1C Jumonji/ARID domain-containing protein 1C Protein SmcX Protein Xe169

Molecular Weight	220kDa
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG2a
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11114OMIM:300534
Alternative Names	Lysine-specific demethylase 5C Histone demethylase JARID1C Jumonji/ARID domain-containing protein 1C Protein SmcX Protein Xe169
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. Represses the CLOCK-ARNTL/BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2 .
Sequence and Domain Family	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.
Cellular Localization	Nucleus