



KDM5D Polyclonal Antibody

Catalog No	YP-Ab-06641
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	KDM5D HY HYA JARID1D KIAA0234 SMCY
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	KDM5D Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	H Y;Histocompatibility Y antigen;Histone demethylase JARID1D;HY;HYA;JARID1D;KDM5D;KIAA0234;lysine (K) demethylase 5D;Lysine specific demethylase 5D;Protein SmcY;SMCY;KDM5D HY HYA JARID1D KIAA0234 SMCY;Lysine-specific demethylase 5D (EC 1.14.11.-) (Histocompatibility Y antigen) (H-Y) (Histone demethylase JARID1D) (Jumonji/ARID domain-containing protein 1D) (Protein SmcY)
Observed Band	70 kDa, 175 kDa
Calculated Molecular Weight	1482 aa, 167 kDa
Cell Pathway	Nucleus .
Tissue Specificity	Expression is highly down-regulated in metastatic prostate tumors.
Function	alternative products:Additional isoforms seem to exist,cofactor:Ascorbate., cofactor:Fe(2+).,domain:The JmjC domain is required for enzymatic activity., 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'. May play a role in spermatogenesis.,similarity:Belongs to the JARID1 histone demethylase family.,similarity:Contains 1 ARID domain.,similarity:Contains 1 JmjC domain.,

similarity:Contains 1 JmjN domain.,similarity:Contains 2 PHD-type zinc fingers.,
subunit:Interacts with PCGF6.,

Background

This gene encodes a protein containing zinc finger domains. A short peptide derived from this protein is a minor histocompatibility antigen which can lead to graft rejection of male donor cells in a female recipient. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images