



# KDM4D Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-06510
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	KDM4D JHDM3D JMJD2D
<b>Protein Name</b>	Lysine-specific demethylase 4D (EC 1.14.11.-) (JmjC domain-containing histone demethylation protein 3D) (Jumonji domain-containing protein 2D)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 400-480
<b>Specificity</b>	KDM4D Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	57kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Brain,Embryo,Teratocarcinoma,Testis,
<b>Function</b>	caution:It is uncertain whether Met-1 or Met-4 is the initiator.,cofactor:Binds 1 Fe(2+) ion per subunit.,function:Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Demethylates both di- and trimethylated H3 'Lys-9' residue, while it has no activity on monomethylated residues. Demethylation of Lys residue generates formaldehyde and succinate.,similarity:Belongs to the JHDM3 histone demethylase family.,similarity:Contains 1 JmjC domain.,similarity:Contains 1 JmjN domain.,
<b>Background</b>	caution:It is uncertain whether Met-1 or Met-4 is the initiator.,cofactor:Binds 1 Fe(2+) ion per subunit.,function:Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Demethylates both di- and trimethylated H3 'Lys-9' residue, while it has no activity on monomethylated residues. Demethylation of Lys residue generates



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**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

