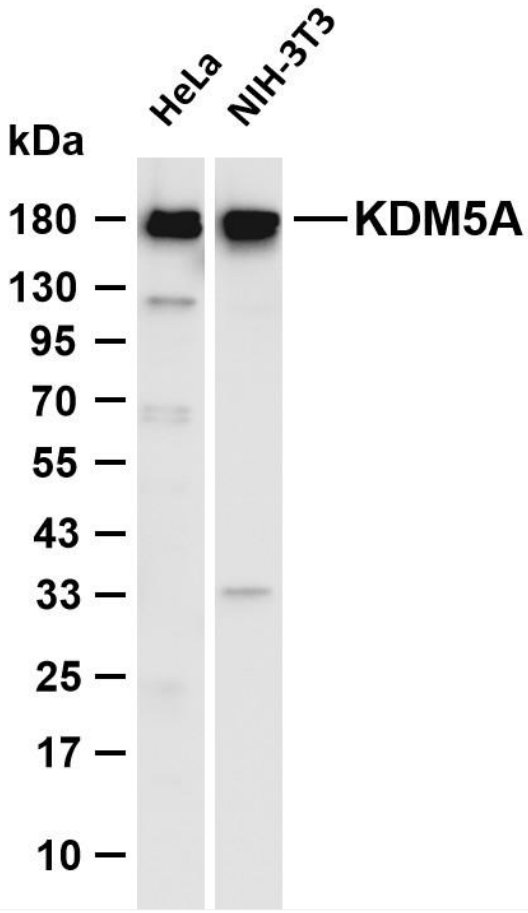
KDM5A (PT1935R) Mouse mAb

Catalog No	YP-mAb-19581
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	KDM5A JARID1A RBBP2 RBP2
Immunogen	The specific immunogen used to produce this antibody is proprietary information.
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal,Mouse,IgG
Purification	Recombinant Antibody expressed in animal component-free (ACF) media, purified via Protein A affinity chromatography.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	KDM5A JARID1A RBBP2 RBP2;Lysine-specific demethylase 5A (Histone demethylase JARID1A) (Jumonji/ARID domain-containing protein 1A) (Retinoblastoma-binding protein 2) (RBBP-2)
Observed Band	180kD
Calculated Molecular Weight	192kD
Cell Pathway	Nucleus , nucleolus . Nucleus . Occupies promoters of genes involved in RNA metabolism and mitochondrial function. .
Tissue Specificity	Epithelium ,Eye ,Testis ,
Function	cofactor:Fe (2+) . ,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 stimulate transcription mediated by nuclear receptors. May be involved in transcriptional regulation of Hox proteins during cell differentiation. May participate in transcriptional repression of cytokines such as CXCL12. ,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 3 PHD-type zinc fingers. ,subunit:Interacts with the viral protein-binding domain of RB1. Interacts with ESR1 , MYC , MYCN and LMO2. ,

Background	This gene encodes a member of the Jumonji , AT-rich interactive domain 1 (JARID1) histone demethylase protein family. The encoded protein plays a role in gene regulation through the histone code by specifically demethylating lysine 4 of histone H3. The encoded protein interacts with many other proteins , including retinoblastoma protein , and is implicated in the transcriptional regulation of Hox genes and cytokines. This gene may play a role in tumor progression. [provided by RefSeq , Aug 2013] ,
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



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-KDM5A (PT1935R) antibody.

The HRP-conjugated Goat anti-Mouse IgG (H + L) antibody was used to detect the antibody.

Lane 1: HeLa

Lane 2: NIH-3T3

Predicted band size: 192kDa

Observed band size: 180kDa