

KDM6A/UTX (PT1584R) PT™ Rabbit mAb

CatalogNo: YM9426 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 154kD (Calculated)
- 160kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1:1000**WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

Basic Information

Clonality Monoclonal**Clone Number** PT1584R

Immunogen Information

Specificity Endogenous

Target Information

Gene name KDM6A UTX

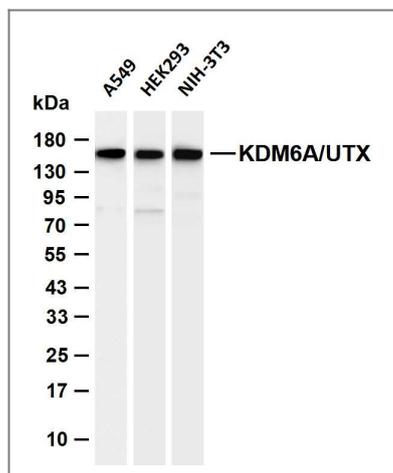
Protein Name Lysine-specific demethylase 6A (Histone demethylase UTX) (Ubiquitously-transcribed TPR protein on the X chromosome) (Ubiquitously-transcribed X chromosome tetratricopeptide repeat protein)

Organism	Gene ID	UniProt ID
Human	7403;	O15550;
Mouse	22289;	O70546;

Cellular Localization Nucleus .

Function Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code . Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-27' . Plays a central role in regulation of posterior development, by regulating HOX gene expression . Demethylation of 'Lys-27' of histone H3 is concomitant with methylation of 'Lys-4' of histone H3, and regulates the recruitment of the PRC1 complex and monoubiquitination of histone H2A . Plays a demethylase-independent role in chromatin remodeling to regulate T-box family member-dependent gene expression (By similarity).

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-KDM6A/UTX (PT1584R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: A549 Lane 2: HEK293 Lane 3: NIH-3T3 Predicted band size: 154kDa Observed band size: 160kDa

Contact information

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