Anti-KDM3A Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014503

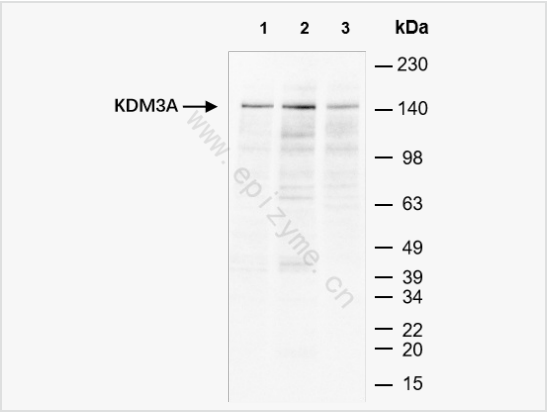
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	26N90P27
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human KDM3A
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-KDM3A Rabbit mAb [26N90P27] is for research use only and not for use in diagnostic or therapeutic procedures.

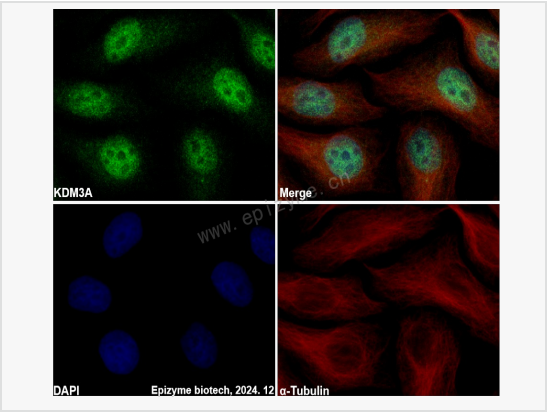
Protein Information

Synonyms	DKFZp686A24246, DKFZp686P07111, JHDM2A, JHMD2A, JmjC domain-containing histone demethylation protein 2A, JMJD1, JMJD1A, Jumonji C domain containing histone demethylase 2A, Jumonji domain containing 1, Jumonji domain containing 1A, Jumonji domain containing protein 1A, Jumonji domain-containing protein 1A, Kdm3a, KDM3A_HUMAN, KIAA0742, Lysine (K) specific demethylase 3A, Lysine-specific demethylase 3A, Testis specific protein A, TSGA.
Calculated MW	Calculated MW: 147 kDa; Observed MW: 147 kDa
Uniprot ID	Q9Y4C1, Q6PCM1, Q63679
Gene ID	55818, 104263, 312440
Background	This gene encodes a zinc finger protein that contains a jumonji domain and may play a role in hormone-dependent transcriptional activation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]
Cellular Location	Cytoplasm. Nucleus. Nuclear in round spermatids. When spermatids start to elongate, localizes to the cytoplasm where it forms distinct foci which disappear in mature spermatozoa.

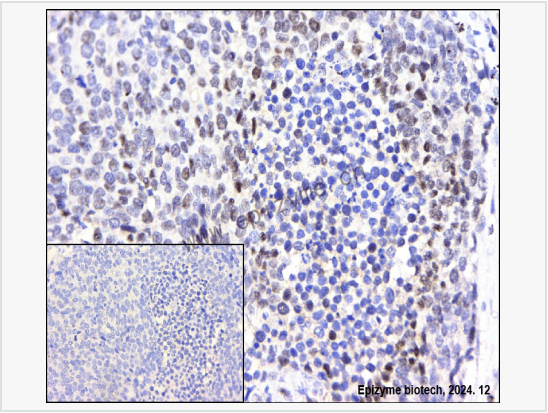
Validation Images



Western Blot - Anti-KDM3A Rabbit mAb [26N90P27]
All lanes: R014503 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 147 kDa
Observed band size: 147 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-KDM3A Rabbit mAb [26N90P27]
Sample: Hela cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R014503 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-KDM3A Rabbit mAb [26N90P27]
Sample: Paraformaldehyde-fixed, paraffin embedded human lung cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014503 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.