

Anti-DiMethyl-Histone H3 (Lys79) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

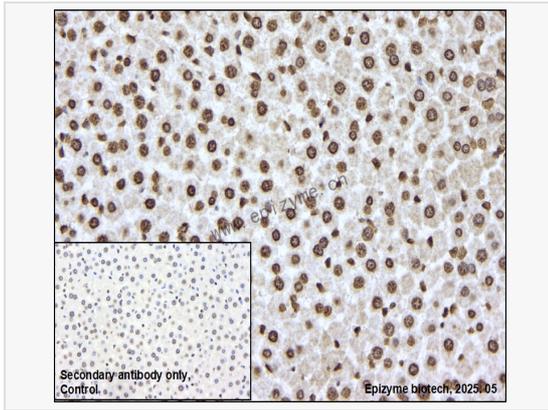
Catalog # R015452

Product Information

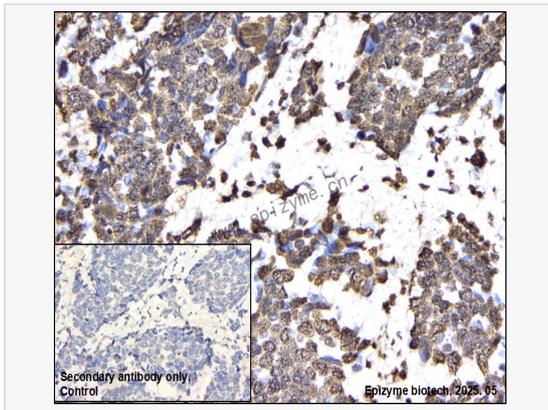
Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	23R51Q35
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Histone H3 (di methyl K79)
Format	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-DiMethyl-Histone H3 (Lys79) Rabbit mAb [23R51Q35] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

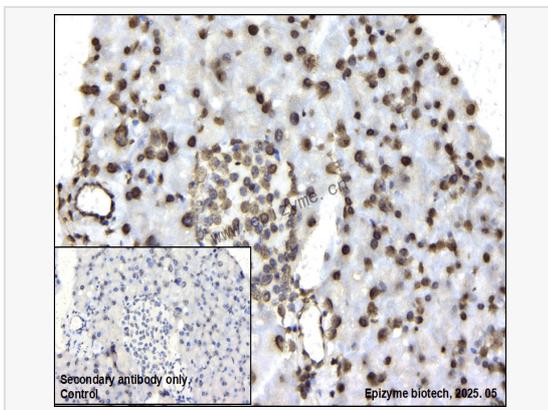
Synonyms	Histone H3.1; Histone H3; HIST1H3A.
Calculated MW	Calculated MW: 15 kDa; Observed MW: 16 kDa
Uniprot ID	P68431
Gene ID	8350, 8351, 8352, 8353, 8354, 8355, 8356, 8357, 8358, 8968
Background	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.
Cellular Location	Nucleus. Chromosome.



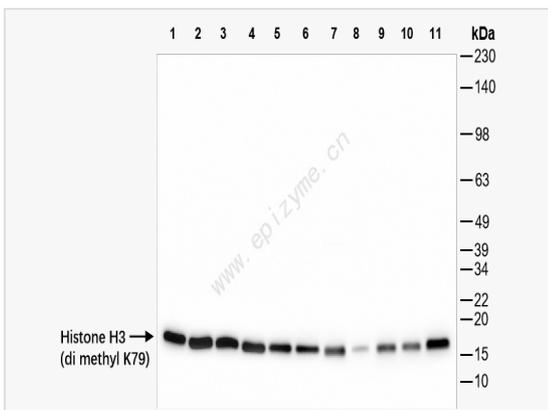
Immunohistochemistry - Anti-DiMethyl-Histone H3 (Lys79) Rabbit mAb [23R51Q35]
 Sample: Paraformaldehyde-fixed, paraffin embedded rat liver tissue
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
 Primary antibody: R015452 at 1:200 dilution
 Secondary antibody: Goat Anti-Rabbit 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.



Immunohistochemistry - Anti-DiMethyl-Histone H3 (Lys79) Rabbit mAb [23R51Q35]
 Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
 Primary antibody: R015452 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.



Immunohistochemistry - Anti-DiMethyl-Histone H3 (Lys79) Rabbit mAb [23R51Q35]
 Sample: Paraformaldehyde-fixed, paraffin embedded mouse pancreas tissue
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
 Primary antibody: R015452 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.



Western Blot - Anti-DiMethyl-Histone H3 (Lys79) Rabbit mAb [23R51Q35]
 All lanes: R015452 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
 Lane 4: 293T (Human embryonic kidney cell) whole cell lysates
 Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates
 Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
 Lane 7: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
 Lane 8: Mouse heart whole tissue lysates
 Lane 9: Mouse liver whole tissue lysates
 Lane 10: Mouse brain whole tissue lysates
 Lane 11: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
 Lysates/proteins at 10 µg per lane.
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
 Predicted band size: 15 kDa
 Observed band size: 16 kDa
 Developed using the ECL technique (Cat. No. SQ201).

