

KMT5A/SETD8/Pr-SET7 Rabbit mAb

Catalog No: #49648

Package Size: #49648-1 50ul #49648-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

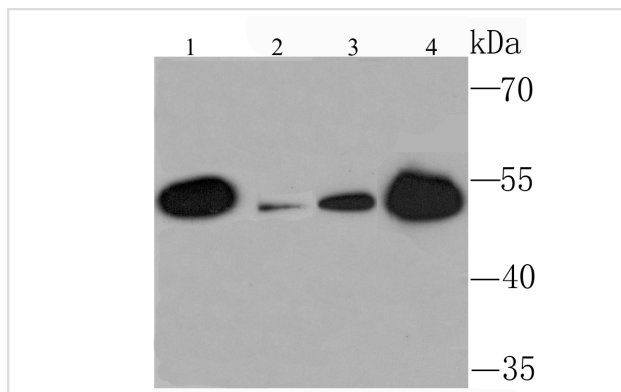
Description

Product Name	KMT5A/SETD8/Pr-SET7 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Purification	ProA affinity purified
Applications	WB, FC
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	H4 K20 HMTase antibody H4 K20 specific histone methyltransferase antibody H4-K20-HMTase SETD8 antibody Histone H4 K20 methyltransferase antibody Histone lysine N methyltransferase H4 lysine 20 specific antibody Histone-lysine N-methyltransferase SETD8 antibody Lysine N-methyltransferase 5A antibody N-lysine methyltransferase SETD8 antibody Pr SET 7 antibody Pr SET7 antibody PR-Set7 antibody PR/SET domain containing protein 07 antibody PR/SET domain containing protein 8 antibody PR/SET domain-containing protein 07 antibody PR/SET07 antibody PrSET7 antibody SET 07 antibody SET 8 antibody SET domain containing (lysine methyltransferase) 8 antibody SET domain containing 8 antibody SET domain containing lysine methyltransferase 8 antibody SET domain containing protein 8 antibody SET domain-containing protein 8 antibody SET07 antibody SET8 antibody SETD 8 antibody setd8 antibody SETD8_HUMAN antibody
Accession No.	Swiss-Prot#:Q9NQR1
Uniprot	Q9NQR1
GeneID	387893;
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

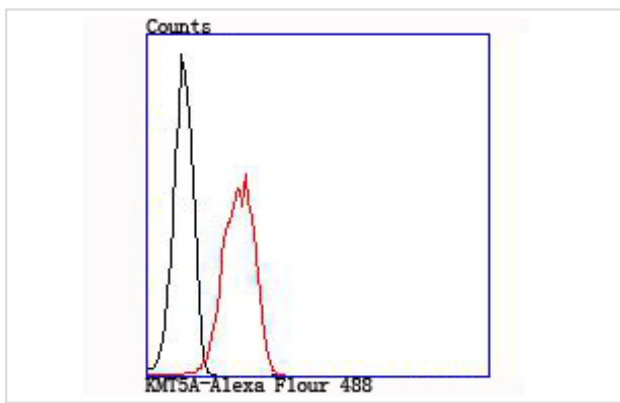
Application Details

WB: 1:500-1:2,000FC: 1:50-1:100

Images



Western blot analysis of KMT5A on different lysates using anti-KMT5A antibody at 1/1,000 dilution. Positive control: Lane 1: Mouse kidney Lane 2: Mouse liver Lane 3: 293T Lane 4: 293



Flow cytometric analysis of 293T cells with KMT5A antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Background

Protein-lysine N-methyltransferase that monomethylates both histones and non-histone proteins. All monomethylates 'Lys-20' of histone H4 (H4K20me1). H4K20me1 is enriched during mitosis and represents a specific tag for epigenetic transcriptional repression. Mainly functions in euchromatin regions, benefiting playing a central role in the silencing of euchromatic genes. Required for cell proliferation, probably by contributing to the maintenance of proper higher order structure of DNA during mitosis. Involved in chromosome condensation and proper cytokinesis. Nucleosomes are preferred as substrate compared to free histones. Mediates monomethylation of p53 / TP53 at 'Lys-382', leading to repress p53 / TP53-target genes.

References

Note: This product is for in vitro research use only