

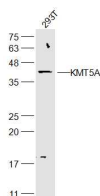
bs-16798R**[Primary Antibody]****KMT5A Rabbit pAb****BioSS**
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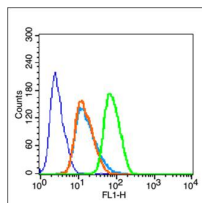
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— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 387893**SWISS:** Q9NQR1**Target:** KMT5A**Immunogen:** KLH conjugated synthetic peptide derived from human KMT5A: 201-300/393.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** Protein-lysine N-methyltransferase that monomethylates both histones and non-histone proteins. Specifically 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, thereby 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.**Applications:** **WB** (1:500-2000)**Flow-Cyt** (1µg/Test)**Reactivity:** Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)**Predicted MW.:** 43 kDa**Subcellular Location:** Nucleus**— VALIDATION IMAGES —**

Sample: 293T(Human) Cell Lysate at 30 ug
Primary: Anti-KMT5A (bs-16798R) at 1/300
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 43 kD Observed band size: 43 kD



Blank control (blue line): HeLa(fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice) Primary Antibody (green line): Rabbit Anti-KMT5A antibody (bs-16798R), Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC, Dilution: 1µg /test.