

bs-16797R**[Primary Antibody]****KMT4 Rabbit pAb****Bioss**
ANTIBODIES

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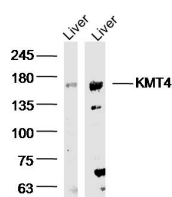
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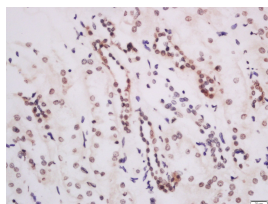
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— DATASHEET —

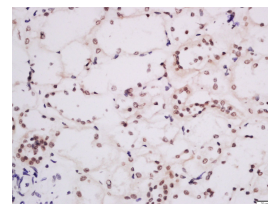
Host: Rabbit Clonality: Polyclonal GeneID: 84444 Target: KMT4 Immunogen: KLH conjugated synthetic peptide derived from human KMT4: 51-150/1739. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: The protein encoded by this gene is a histone methyltransferase that methylates lysine-79 of histone H3. It is inactive against free core histones, but shows significant histone methyltransferase activity against nucleosomes. [provided by RefSeq, Aug 2011]	Isotype: IgG SWISS: Q8TEK3	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Sheep, Cow, African Green Monkey) Predicted MW.: 185 kDa Subcellular Location: Nucleus
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— VALIDATION IMAGES —

Sample: Liver (Mouse) Lysate at 40 ug Liver (Rat) Lysate at 40 ug
Primary: Anti- KMT4 (bs-16797R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 185 kD
Observed band size: 170 kD



Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-KMT4 Polyclonal Antibody, Unconjugated(bs-16797R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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— SELECTED CITATIONS —

- **[IF=7.5]** Qiang Tang, et al. Gut bacterial L-lysine alters metabolism and histone methylation to drive dendritic cell tolerance. CELL REP. 2025 Jan;44: IF ;Human,Mouse. 10.1016/j.celrep.2024.115125