bs-16797R

[Primary Antibody]

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KMT4 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 84444 **SWISS:** Q8TEK3

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]

Applications: WB (1:500-2000)

IHC-P (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500)

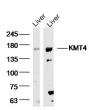
Reactivity: Human, Mouse, Rat

(predicted: Sheep, Cow, African Green Monkey)

Predicted MW.: 185 kDa

Subcellular Nucleus Location:

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 paraffinembedded; Antigen retrieval: citrate buffer ($0.01\mbox{M}, \, \mbox{pH}\, 6.0$), 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

- 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