

bs-9118R**[Primary Antibody]****KMT1C Rabbit pAb****BioSS**
ANTIBODIES

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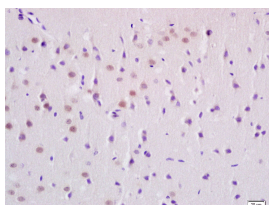
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:50-200) Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Cow, Dog, Horse) Predicted MW.: 133 kDa Subcellular Location: Nucleus
Clonality: Polyclonal		
GeneID: 10919	SWISS: Q96KQ7	
Target: KMT1C		
Immunogen: KLH conjugated synthetic peptide derived from human KMT1C/G9a: 401-550/1210.		
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: A cluster of genes, BAT1-BAT5, has been localized in the vicinity of the genes for TNF alpha and TNF beta. This gene is found near this cluster; it was mapped near the gene for C2 within a 120-kb region that included a HSP70 gene pair. These genes are all within the human major histocompatibility complex class III region. This gene was thought to be two different genes, NG36 and G9a, adjacent to each other but a recent publication shows that there is only a single gene. The protein encoded by this gene is thought to be involved in intracellular protein-protein interaction. There are three alternatively spliced transcript variants of this gene but only two are fully described. [provided by RefSeq, Jul 2008].		

— VALIDATION IMAGES —

Tissue/cell: rat brain 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-KMT1C/G9a Polyclonal Antibody, Unconjugated(bs-9118R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=4.4]** Yesim Bilmez. et al.Histone lysine methyltransferases and their specific methylation marks show significant changes in mouse testes from young to older ages.BIOGERONTOLOGY.2025 Jan 20;26(1):42. IHC ;Mouse. 39832035