

bs-5974R**[Primary Antibody]****SMYD3 Rabbit pAb****Bioss**
ANTIBODIES

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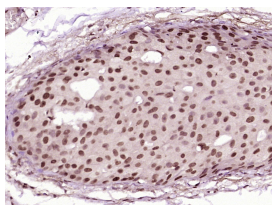
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human (predicted: Mouse, Rat, Rabbit, Sheep, Cow, Horse) Predicted MW.: 49 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Polyclonal		
GeneID: 64754	SWISS: Q9H7B4	
Target: SMYD3		
Immunogen: KLH conjugated synthetic peptide derived from human SMYD3: 101-200/428.		
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: SMYD3 is a gene that is over-expressed in the majority of colorectal carcinomas and hepatocellular carcinomas. SMYD3 forms a complex with RNA polymerase II through an interaction with the RNA helicase HELZ and transactivates a set of genes that included oncogenes, homeobox genes and genes associated with cell-cycle regulation. SMYD3 binds to a motif, 5'-CCCTCC-3', present in the promoter region of downstream genes such as Nkx2.8. The SET domain of SMYD3 shows histone H3-lysine 4 (H3-K4)-specific methyltransferase activity, which is enhanced in the presence of the heat-shock protein HSP90A.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SMYD3) Polyclonal Antibody, Unconjugated (bs-5974R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.