

Rabbit anti-Human SMYD3 Polyclonal Antibody | anti-SMYD3 antibody

SMYD3 Antibody (N-term)

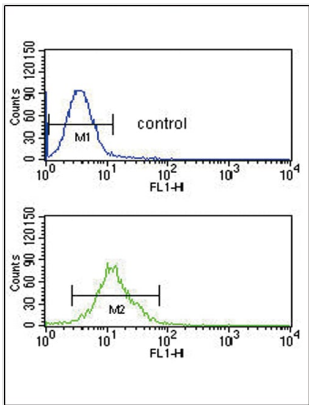
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288987	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

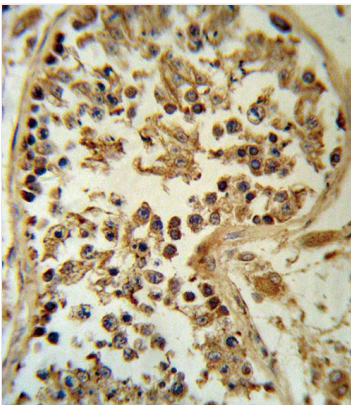
SMYD3; Polyclonal Antibody; SMYD3 Antibody (N-term); Histone-lysine N-methyltransferase SMYD3; SET and MYND domain-containing protein 3; Zinc finger MYND domain-containing protein 1; ZMYND1; ZNFN3A1; anti-SMYD3 antibody

PRODUCT SPECIFICATIONS

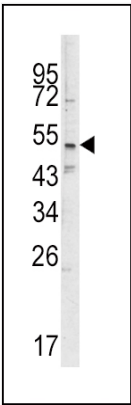
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SMYD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-35 amino acids from the N-terminal region of human SMYD3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	7-35
Sequence Length	369
Applicable Applications for anti-SMYD3 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
SMYD3 Antibody (N-term) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
SMYD3 Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SMYD3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of SMYD3 antibody (N-term) in CEM cell line lysates (35ug/lane). SMYD3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-SMYD3 antibody	SMYD3 is a histone methyltransferase that plays a role in transcriptional regulation as a member of an RNA polymerase complex.
Product Categories/Family for anti-SMYD3 antibody	Cancer
References	Zou,J.N., Wang,S.Z. Cancer Lett. 280 (1), 78-85 (2009) Wang,S.Z., Luo,X.G. BMB Rep 41 (4), 294-299 (2008) Wang,H., Liu,Y. Cancer Sci. 99 (4), 787-791 (2008) Barlesi,F., Giaccone,G. Int. J. Cancer 122 (6), 1441-1442 (2008) Hamamoto,R., Silva,F.P. Cancer Sci. 97 (2), 113-118 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	267844824
NCBI GeneID	64754
NCBI Accession #	NP_001161212.1; NP_073580.1
NCBI GenBank Nucleotide #	NM_001167740.1
UniProt Accession #	Q9H7B4; Q86TL8; Q8N5Z6; Q96AI5; A8K0P0; B1AN38

Molecular Weight	49097
NCBI Official Full Name	histone-lysine N-methyltransferase SMYD3 isoform 1
NCBI Official Synonym Full Names	SET and MYND domain containing 3
NCBI Official Symbol	SMYD3
NCBI Official Synonym Symbols	KMT3E; ZMYND1; ZNFN3A1; bA74P14.1
NCBI Protein Information	histone-lysine N-methyltransferase SMYD3
UniProt Protein Name	Histone-lysine N-methyltransferase SMYD3
UniProt Gene Name	SMYD3
UniProt Synonym Gene Names	ZMYND1; ZNFN3A1
UniProt Entry Name	SMYD3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/smyd3-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/288987>