

Rabbit anti-Human SMYD1 Polyclonal Antibody | anti-SMYD1 antibody

SMYD1 Antibody (C-term)

CATALOG # AAA286550	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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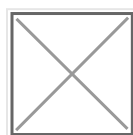
PRODUCT SYNONYMS

SMYD1; Polyclonal Antibody; SMYD1 Antibody (C-term); Histone-lysine N-methyltransferase SMYD1; SET and MYND domain-containing protein 1; anti-SMYD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SMYD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 420-449 amino acids from the C-terminal region of human SMYD1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	420-449
Sequence Length	490
Applicable Applications for anti-SMYD1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
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.

IMAGES



FCM/FACS (Flow Cytometry)

SMYD1 Antibody (C-term) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

SMYD1 Antibody (C-term) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the SMYD1 antibody detected the SMYD1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SMYD1 antibody	Acts as a transcriptional repressor. Essential for cardiomyocyte differentiation and cardiac morphogenesis (By similarity).
References	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Yang, J., et al. J. Mol. Biol. 386(4):938-950(2009) Sims, R.J. III, et al. J. Biol. Chem. 277(29):26524-26529(2002) Gottlieb, P.D., et al. Nat. Genet. 31(1):25-32(2002) Srivastava, D., et al. Cold Spring Harb. Symp. Quant. Biol. 67, 121-125 (2002) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	38093643
NCBI GeneID	150572
NCBI Accession #	NP_938015.1
NCBI GenBank Nucleotide #	NM_198274.3
UniProt Accession #	Q8NB12; A0AV30; A6NE13
Molecular Weight	56617
NCBI Official Full Name	histone-lysine N-methyltransferase SMYD1
NCBI Official Synonym Full Names	SET and MYND domain containing 1
NCBI Official Symbol	SMYD1
NCBI Official Synonym Symbols	BOP; KMT3D; ZMYND18; ZMYND22
NCBI Protein Information	histone-lysine N-methyltransferase SMYD1
UniProt Protein Name	Histone-lysine N-methyltransferase SMYD1
UniProt Gene Name	SMYD1
UniProt Entry Name	SMYD1_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/smyd1-antibody-flow-cytometry-western-blot-elisa/286550>