

Rabbit anti-Human, Mouse Histone-lysine N-methyltransferase SMYD1 Polyclonal Antibody | anti-SMYD1 antibody

Rabbit anti-human Histone-lysine N-methyltransferase SMYD1 polyclonal Antibody(SMYD1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA118641	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

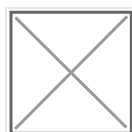
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

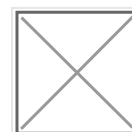
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	490
Applicable Applications for anti-SMYD1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Histone-lysine N-methyltransferase SMYD1 protein (1-350aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-79080
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



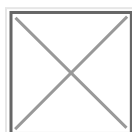
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human spleen tissue using AAA118641 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung tissue using AAA118641 at dilution 1:100



WB (Western Blot)

All lanes: Histone-lysine N-methyltransferase SMYD1 antibody at 2ug/mL
Lane 1: mouse heart tissue
Lane 2: 293T whole cell lysate
Lane 3: mouse skeletal muscle tissue
Secondary: Goat polyclonal to rabbit at 1/10000 dilution
Predicted band size: 57kDa
Observed band size: 57kDa

ADDITIONAL INFORMATION

Related Product Information for anti-SMYD1 antibody	Methylates histone H3 at 'Lys-4' (H3K4me), seems able to perform both mono-, di-, and trimethylation. Acts as a transcriptional repressor. Essential for cardiomyocyte differentiation and cardiac morphogenesis.
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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	56,617 Da
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/histone-lysine-n-methyltransferase-smyd1-antibody-immunohistochemistry-western-blot-elisa/118641>