

Rabbit SMYD3 Polyclonal Antibody | anti-SMYD3 antibody

SMYD3 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200111	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

SMYD3; Polyclonal Antibody; SMYD3 antibody - N-terminal region; anti-SMYD3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: PR YPPDSVRLLG RVVFKLMDGA PSESEKLYSF YDLESNINKL TEDKKEGL
Sequence Length	369
Applicable Applications for anti-SMYD3 antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SMYD3
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



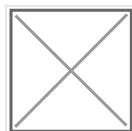
WB (Western Blot)

WB Suggested Anti-SMYD3 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:31250
Positive Control: Human Stomach



WB (Western Blot)

Host: Rabbit
Target Name: SMYD3
Sample Tissue: Human Ovary Tumor
Antibody Dilution: 1ug/ml



ChIP (Chromatin Immunoprecipitation)

Quiescent human colon carcinoma HCT116 cultures were treated with 10% FBS for three time points (0, 15, 30min) or (0, 30, 60min) were used in Matrix-ChIP and real-time PCR assays at EGR1 gene (Exon1) and 15kb upstream site.

ADDITIONAL INFORMATION

Related Product Information for anti-SMYD3 antibody	This is a rabbit polyclonal antibody against SMYD3. It was validated on Western Blot using a cell lysate as a positive control. Target Description: SMYD3 is a member of an RNA polymerase complex. Within the RNA polymerase complex, it acts as a histone methyltransferase that plays a role in transcriptional regulation.SMYD3 is a histone methyltransferase that plays a role in transcriptional regulation as a member of an RNA polymerase complex.[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-SMYD3 antibody	Polyclonal; Chromatin & Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	12232401
NCBI GeneID	64754
NCBI Accession #	NP_073580
NCBI GenBank Nucleotide #	NM_022743
UniProt Accession #	Q9H7B4
Molecular Weight	42kDa
NCBI Official Full Name	histone-lysine N-methyltransferase SMYD3 isoform 2
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-chromatin-immunoprecipitation-elisa/200111>