

Rabbit SMYD2 Polyclonal Antibody | anti-SMYD2 antibody

SMYD2 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200109	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation

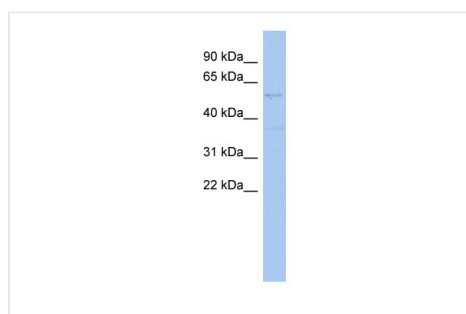
PRODUCT SYNONYMS

SMYD2; Polyclonal Antibody; SMYD2 antibody - middle region; anti-SMYD2 antibody

PRODUCT SPECIFICATIONS

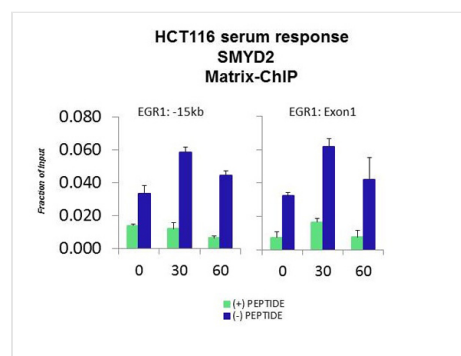
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: SM WLKLGRLYMG LEHKAAGEKA LKKAIAIMEV AHGKDHPYIS EIKQEIES
Sequence Length	433
Applicable Applications for anti-SMYD2 antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human SMYD2
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-SMYD2 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:31250
 Positive Control: SH-SY5Y cell lysate
 SMYD2 is supported by BioGPS gene expression data to be expressed in SH-SY5Y



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-SMYD2 antibody	This is a rabbit polyclonal antibody against SMYD2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: The specific function of this protein remains unknown.SET domain-containing proteins, such as SMYD2, catalyze lysine methylation (Brown et al., 2006 [PubMed 16805913]).[supplied by OMIM].
Product Categories/Family for anti-SMYD2 antibody	Polyclonal; Transcription Regulation; Methylation; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	188035871
NCBI GeneID	56950
NCBI Accession #	NP_064582
NCBI GenBank Nucleotide #	NM_020197
UniProt Accession #	Q9NRG4
Molecular Weight	50kDa
NCBI Official Full Name	N-lysine methyltransferase SMYD2
NCBI Official Synonym Full Names	SET and MYND domain containing 2
NCBI Official Symbol	SMYD2
NCBI Official Synonym Symbols	KMT3C; HSKM-B; ZMYND14
NCBI Protein Information	N-lysine methyltransferase SMYD2
UniProt Protein Name	N-lysine methyltransferase SMYD2
UniProt Gene Name	SMYD2
UniProt Synonym Gene Names	KMT3C
UniProt Entry Name	SMYD2_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/smyd2-antibody-western-blot-chromatin-immunoprecipitation-elisa/200109>