

Mouse anti-Human, Mouse SMYD2 Monoclonal Antibody | anti-SMYD2 antibody

SMYD2 Antibody

CATALOG # AAA111282	HOST Mouse	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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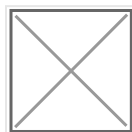
PRODUCT SYNONYMS

SMYD2; Monoclonal Antibody; SMYD2 Antibody; HSKM-B; Histone methyltransferase SMYD2; EC=2.1.1.43; Lysine N-methyltransferase 3C; SET and MYND domain-containing protein 2; anti-SMYD2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2b
Specificity	This antibody detects endogenous levels of SMYD2 and does not cross-react with related proteins.
Purity/Purification	Null
Form/Format	ascites
Sequence Length	433
Applicable Applications for anti-SMYD2 antibody	WB (Western Blot)
Immunogen	Purified recombinant human SMYD2 protein fragments expressed in E Coli.
Cellular Localization	Cytoplasm Cytosol; Nucleus

IMAGES



Application Data

Western blot detection of SMYD2 in 3T3, HT1080, A431 & Jurkat cell lysates and using SMYD2 antibody (1:1000 diluted). Predicted band size: 50KDa Observed band size: 50KDa

ADDITIONAL INFORMATION

Related Product Information for anti-SMYD2 antibody	UniPort Summary Function: Protein-lysine N-methyltransferase that methylates both histones and non-histone proteins. Specifically methylates histone H3 'Lys-4' (H3K4me) and dimethylates histone H3 'Lys-36' (H3K36me2). Has also methyltransferase activity toward non-histone proteins such as p53/TP53 and RB1. Monomethylates 'Lys-370' of p53/TP53, leading to decreased DNA-binding activity and subsequent transcriptional regulation activity of p53/TP53. Monomethylates 'Lys-860' of RB1/RB. Entrez Summary: SET domain-containing proteins, such as SMYD2, catalyze lysine methylation (Brown et al., 2006 [PubMed 16805913]).[supplied by OMIM, Nov 2008]
Product Categories/Family for anti-SMYD2 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	188035871
NCBI GeneID	56950
NCBI Accession #	NP_064582.2
NCBI GenBank Nucleotide #	NM_020197
UniProt Accession #	Q9NRG4; Q4V765; Q5VSH9; Q96AI4; B2R9P9; I6L9H7
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

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/monoclonal/smyd2-antibody-western-blot-elisa/111282>