

Datasheet for ABIN7160775

anti-SMYD2A antibody (AA 115-272) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SMYD2A
Binding Specificity:	AA 115-272
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMYD2A antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human N-lysine methyltransferase SMYD2 protein (115-272AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SMYD2A
Alternative Name:	SMYD2 (SMYD2A Products)
Background:	Background: Protein-lysine N-methyltransferase that methylates both histones and non-histone proteins, including p53/TP53 and RB1. Specifically methylates histone H3 '\\Lys-4\\'

Target Details

(H3K4me) and dimethylates histone H3 \\\'Lys-36\\\' (H3K36me2). Shows even higher methyltransferase activity on p53/TP53. Monomethylates \\\'Lys-370\\\' of p53/TP53, leading to decreased DNA-binding activity and subsequent transcriptional regulation activity of p53/TP53. Monomethylates RB1 at \\\'Lys-860\\\'.

Aliases: Histone methyltransferase SMYD2 antibody, HSKM B antibody, HSKM-B antibody, HSKMB antibody, KMT3C antibody, Lysine N-methyltransferase 3C antibody, MGC119305 antibody, N lysine methyltransferase SMYD2 antibody, N-lysine methyltransferase SMYD2 antibody, SET and MYND domain containing 2 antibody, SET and MYND domain containing protein 2 antibody, SET and MYND domain-containing protein 2 antibody, Smyd2 antibody, SMYD2_HUMAN antibody, Zinc finger MYND domain containing 14 antibody, ZMYND14 antibody

UniProt: [Q9NRG4](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.