

DATASHEET

SMYD4 Mouse Monoclonal Antibody(C3372)

CAT. NO. AMA02984

KEY FEATURES

Target	SMYD4	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.		Storage at-20°C

BACKGROUND

Protein-lysine N-methyltransferase. Monomethylates PRMT5, modulating its transcriptional activity . May also act as a histone methyltransferase . Plays a critical role in cardiac development. Acts as a key epigenetic regulator of gene expression during cardiac development via its dual activities as a methyltransferase and negative regulator of HDAC1 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

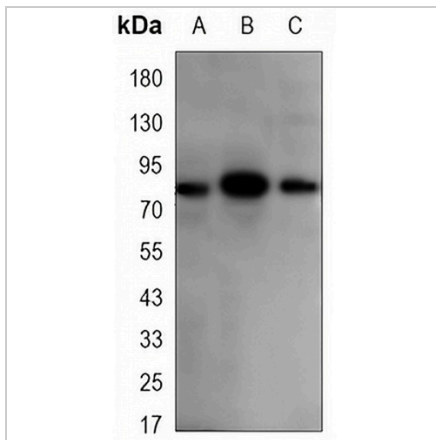
Description	Mouse monoclonal antibody to SMYD4
Specificity	Recognizes endogenous levels of SMYD4 protein.
Antibody Type	Primary antibody
Immunogen	Purified recombinant human SMYD4 protein fragments expressed in E.coli.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 89 kD; Observed: 89 kD
Form/Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Alternative Names	KIAA1936; SET and MYND domain-containing protein 4
Gene Symbol	SMYD4
Entrez Gene	114826(Human)
SwissProt	Q8IYR2(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of SMYD4 expression in HeLa (A), MCF7 (B), A431 (C) whole cell lysates. (Predicted band size: 89 kD; Observed band size: 89 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.