

DATASHEET

SMYD1 Mouse Monoclonal Antibody(C3291)

CAT. NO. AMA02903

KEY FEATURES

Target	SMYD1	Source / Host	Mouse
Reactivity	Rat	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

Predicted to enable several functions, including histone H3K4 trimethyltransferase activity; transcription corepressor activity; and zinc ion binding activity. Involved in positive regulation of myoblast differentiation and positive regulation of myotube differentiation. Predicted to be located in cytoplasm. Predicted to be active in nucleus.

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

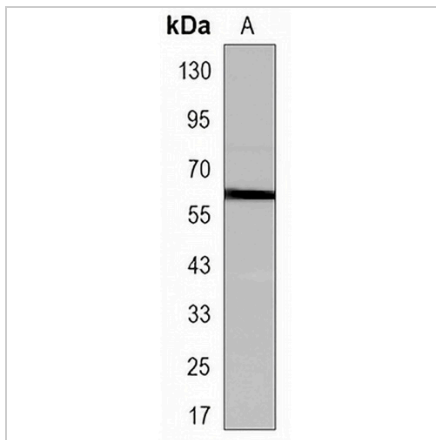
Description	Mouse monoclonal antibody to SMYD1
Specificity	Recognizes endogenous levels of SMYD1 protein.
Antibody Type	Primary antibody
Immunogen	Purified recombinant human SMYD1 protein fragments expressed in E.coli.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 57 kD; Observed: 57 kD
Form/Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Alternative Names	Histone-lysine N-methyltransferase SMYD1; SET and MYND domain-containing protein 1
Gene Symbol	SMYD1
Entrez Gene	297333(Rat)
SwissProt	D4A3D2(Rat)

*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 SMYD1 expression in rat skeletal muscle (A) whole cell lysates.
(Predicted band size: 57 kD; Observed band size: 57 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.