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SMYD1 Rabbit pAb

Catalog # AP96321

Product Information

Application	WB
Primary Accession	Q8NB12
Other Accession	Q8NB12
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56617
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SMYD1
Epitope Specificity	31-130/490
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus.
SIMILARITY	Contains 1 MYND-type zinc finger. Contains 1 SET domain.
SUBUNIT	Interacts with HDAC1, HDAC2 and HDAC3. Interacts (via MYND-type zinc finger) with NACA isoform skNAC (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	150572
Other Names	BOP; KMT3D; ZMYND18; ZMYND22; 4632404M21Rik; sb:cb405; smyd1; wu:fc09a05; zgc:77936; SMYD1_HUMAN; SET and MYND domain-containing protein 1; 2.1.1.354; SMYD1_MOUSE; CD8b-opposite; Zinc finger protein BOP (m-BOP); SET and MYND domain containing 1
Target/Specificity	Expression seems mostly restricted to heart and skeletal muscle.
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SMYD1

Function	Methylates histone H3 at 'Lys-4' (H3K4me), seems able to perform both mono-, di-, and trimethylation. Acts as a transcriptional repressor. Essential for cardiomyocyte differentiation and cardiac morphogenesis.
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Expression seems mostly restricted to heart and skeletal muscle.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.