

KD-Validated Anti-SMYD4 Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2246

Product Information

Application	WB
Primary Accession	Q8IYR2
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	25GB4235
Calculated MW	89225
Gene Name	SMYD4
Aliases	SMYD4; SET And MYND Domain Containing 4; KIAA1936; ZMYND21; SET And MYND Domain-Containing Protein 4; EC 2.1.1.-
Immunogen	Recombinant protein of human SMYD4

Additional Information

Gene ID	114826
Other Names	SET and MYND domain-containing protein 4, 2.1.1.-, SMYD4, KIAA1936

Protein Information

Name	SMYD4 (HGNC:21067)
Synonyms	KIAA1936
Function	Protein-lysine N-methyltransferase. Monomethylates PRMT5, modulating its transcriptional activity (PubMed: 38438251). May also act as a histone methyltransferase (By similarity). 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 (By similarity).
Cellular Location	Nucleus. Cytoplasm

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