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SMYD4 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52810

Product Information

Application	WB
Primary Accession	Q8IYR2
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	89225

Additional Information

Gene ID	114826
Other Names	KIAA1936;SET and MYND domain containing 4;SET and MYND domain-containing protein 4; SMYD4;SMYD4_HUMAN;ZMYND21.
Dilution	WB~~1:200
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

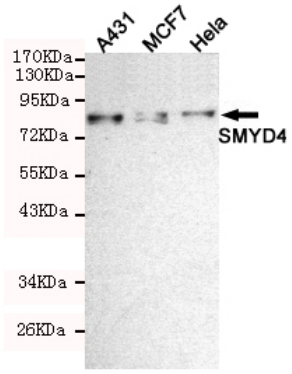
Protein Information

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

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nagase T.,et al.DNA Res. 8:179-187(2001).
Varela I.,et al.Nature 469:539-542(2011).

Images



Western blot detection of SMYD4 in Hela,MCF7 and A431 cell lysates using SMYD4 mouse mAb (1:200 diluted).Predicted band size:89KDa.Observed band size:89KDa.

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