

SMYD2 antibody

Product Information

Catalog No.:	FNab08048
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Protein-lysine N-methyltransferase that methylates both histones and non-histone proteins, including p53/TP53 and RB1. Specifically methylates histone H3 'Lys-4'(H3K4me) and dimethylates histone H3 'Lys-36'(H3K36me2). Shows even higher methyltransferase activity on p53/TP53. Monomethylates 'Lys-370' of p53/TP53, leading to decreased DNA-binding activity and subsequent transcriptional regulation activity of p53/TP53. Monomethylates RB1 at 'Lys-860'.

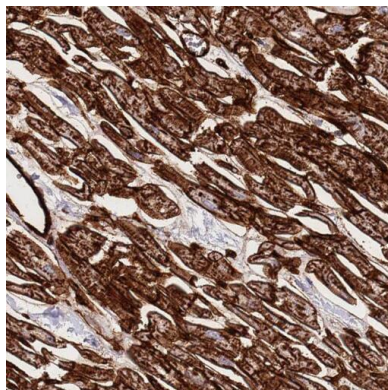
Immunogen information

Immunogen:	SET and MYND domain containing 2
Synonyms:	N-lysine methyltransferase SMYD2 HSKM-B Histone methyltransferase SMYD2 Lysine N-methyltransferase 3C SET and MYND domain-containing protein 2 SMYD2 KMT3C
Observed MW:	50 kDa
Uniprot ID :	Q9NRG4

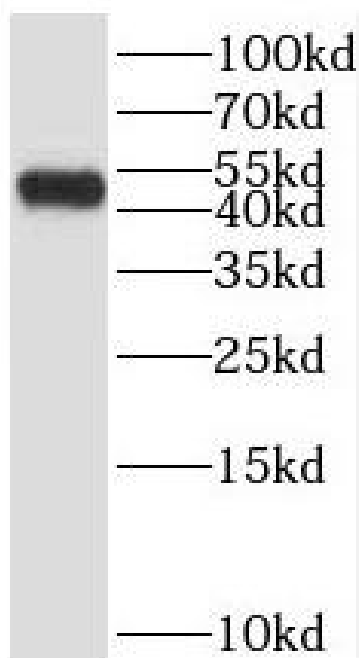
Application

Reactivity:	Human, Mouse
Tested Application:	ELISA, WB, IF, IHC
Recommended dilution:	WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human heart using FNab08048(SMYD2 antibody) at dilution of 1:100



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with FNab08048(SMYD2 antibody) at dilution of 1:500