

## ARG59483 anti-SMYD3 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SMYD3
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SMYD3
Species	Human
Immunogen	Synthetic peptide of Human SMYD3.
Conjugation	Un-conjugated
Alternate Names	KMT3E; ZNFN3A1; ZMYND1; bA74P14.1; EC 2.1.1.43; SET and MYND domain-containing protein 3; Histone-lysine N-methyltransferase SMYD3; Zinc finger MYND domain-containing protein 1

### Application Instructions

Application table	Application	Dilution
	FACS	1:30
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:500 - 1:2000

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

**Positive Control** HeLa

**Observed Size** ~ 42 kDa

### Properties

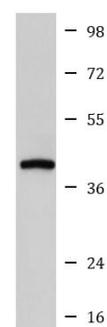
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	SMYD3
Gene Full Name	SET and MYND domain containing 3
Background	This gene encodes a histone methyltransferase which functions in RNA polymerase II complexes by an interaction with a specific RNA helicase. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Function	Histone methyltransferase. Specifically methylates 'Lys-4' and 'Lys-5' of histone H3, inducing di- and tri-methylation, but not monomethylation. Plays an important role in transcriptional activation as a member of an RNA polymerase complex. Binds DNA containing 5'-CCCTCC-3' or 5'-GAGGGG-3' sequences. [UniProt]
Calculated Mw	49 kDa
Cellular Localization	Cytoplasm. Nucleus. Note=Mainly cytoplasmic when cells are arrested at G0/G1. Accumulates in the nucleus at S phase and G2/M. [UniProt]

## Images



HeLa

ARG59483 anti-SMYD3 antibody WB image

Western blot: HeLa cell lysate stained with ARG59483 anti-SMYD3 antibody.