

**SMYD3 Rabbit mAb**  
Catalog # AP76099**Specification****SMYD3 Rabbit mAb - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">Q9H7B4</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	49097

**SMYD3 Rabbit mAb - Additional Information**

Gene ID 64754

**Other Names**

SMYD3

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

IF~~1/50-1/200

**Format**

Liquid

**SMYD3 Rabbit mAb - Protein Information**

Name SMYD3

Synonyms ZMYND1, ZNFN3A1

**Function**

Histone methyltransferase. Specifically methylates 'Lys-4' of histone H3, inducing di- and tri-methylation, but not monomethylation (PubMed: [15235609](http://www.uniprot.org/citations/15235609), PubMed: [22419068](http://www.uniprot.org/citations/22419068)). Also methylates 'Lys-5' of histone H4 (PubMed: [22419068](http://www.uniprot.org/citations/22419068)). Plays an important role in transcriptional activation as a member of an RNA polymerase complex (PubMed: [15235609](http://www.uniprot.org/citations/15235609)). Binds DNA containing 5'-CCCTCC-3' or 5'-GAGGGG-3' sequences (PubMed: [15235609](http://www.uniprot.org/citations/15235609)).

**Cellular Location**

Cytoplasm. Nucleus. Note=Mainly cytoplasmic when cells are arrested at G0/G1. Accumulates in the nucleus at S phase and G2/M.

### Tissue Location

Expressed in skeletal muscles and testis. Overexpressed in a majority of colorectal and hepatocellular carcinomas.

### SMYD3 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SMYD3 Rabbit mAb - Images



