
Product Name: SMYD3 Rabbit Monoclonal Antibody**Catalog #: AMRe02617**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.54mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
Molecular Weight	Calculated MW: 49 kDa; Observed MW: 49 kDa

Antigen Information

Gene Name	SMYD3
Alternative Names	KMT3E; ZMYND1; ZNFN3A1; bA74P14.1
Gene ID	64754
SwissProt ID	Q9H7B4
Immunogen	Recombinant protein of human SMYD3

Background

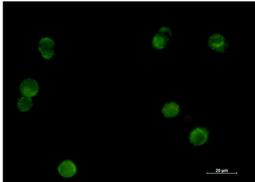
Histone methyltransferase. Specifically methylates 'Lys-4' of histone H3, inducing di- and tri-methylation, but not monomethylation. Plays an important role in transcriptional activation as a member of an RNA polymerase complex. Binds

DNA containing 5'-CCCTCC-3' or 5'-GAGGGG-3' sequences.

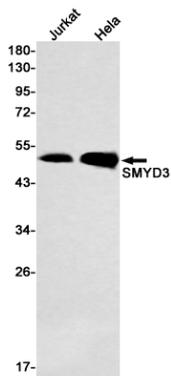
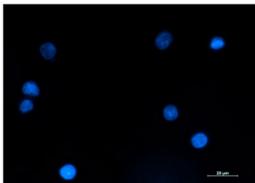
Research Area

Epigenetics and Nuclear Signaling

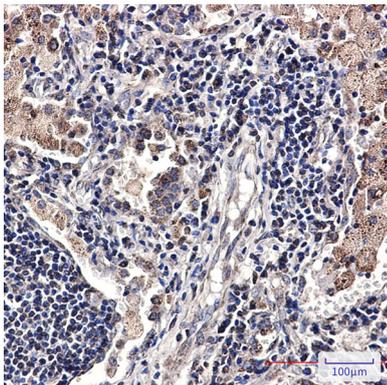
Image Data



Immunocytochemistry analysis of SMYD3 (green) in K562 using SMYD3 antibody, and DAPI (blue).



Western blot analysis of SMYD3 in Jurkat, HeLa lysates using SMYD3 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using SMYD3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.