

SMYD1 Rabbit pAb

Catalog NO.: A2340 **1 Publications**

Basic Information

Observed MW

57kDa

Calculated MW

57kDa

Category

Polyclonal Antibodies

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Background

Predicted to enable histone-lysine N-methyltransferase activity. Involved in positive regulation of myoblast differentiation and positive regulation of myotube differentiation. Predicted to be located in cytoplasm. Predicted to be active in nucleus.

Recommended Dilutions

WB 1:200 - 1:2000

IHC-P 1:20 - 1:200

IF/ICC 1:20 - 1:100

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

150572

Swiss Prot

Q8NB12

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

BOP; KMT3D; ZMYND18; ZMYND22; SMYD1

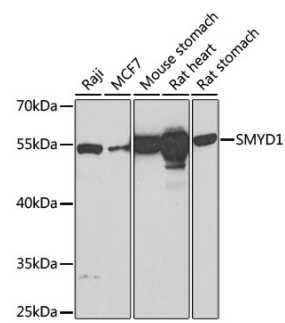
Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data



Western blot analysis of various lysates using SMYD1 Rabbit pAb (A2340) at 1:1000 dilution.

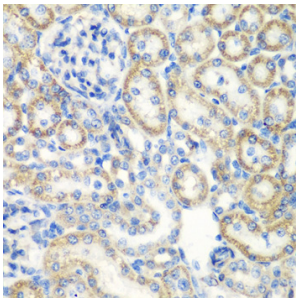
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

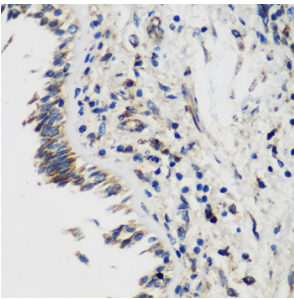
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

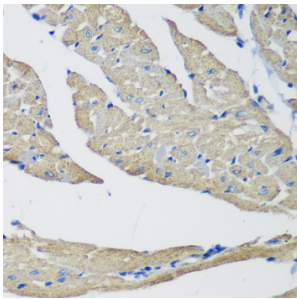
Exposure time: 60s.



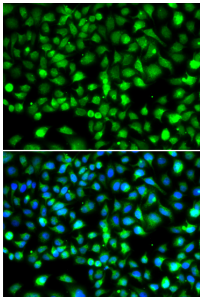
Immunohistochemistry analysis of paraffin-embedded Rat kidney using SMYD1 Rabbit pAb (A2340) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung using SMYD1 Rabbit pAb (A2340) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse heart using SMYD1 Rabbit pAb (A2340) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of MCF-7 cells using
SMYD1 Rabbit pAb (A2340). Secondary antibody: Cy3-
conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500
dilution. Blue: DAPI for nuclear staining.