

## Anti-SMYD1 antibody (1-350) (STJ26205)

### GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

### PRODUCT PROPERTIES

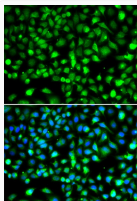
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:200-1:2000 IHC-P:1:20-1:200 IF/CC:1:20-1:100 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 57kDa Observed Mw: 57kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

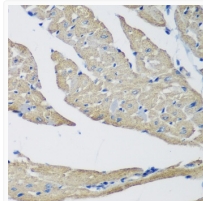
Gene ID	<a href="#">150572</a>
Gene Symbol	<a href="#">SMYD1</a>
UniProt ID	<a href="#">SMYD1_HUMAN</a>
Immunogen Region	1-350
Immunogen Sequence	MTIGRMENVEVFTAEGKGRG LKATKEFWAADIIFAERAYS AVVFDLSLVNFVCHTCFKRQE KLHRCGQCKFAHYCDRTCQK DAWLNHKNESCAIKRYGKVP NENIRLAARIMWRVEREGTG LTEGCLVSDDLQNHVEHFG EEEQKDLRVDVDTFLQYWPP QSQQFSMQYISHIFGVINCN GFTLSDQRGLQAVGVGIFPN LGLVNHDCWPVNCTVFNNGN HEAVKSMFHTQMRIELRAL
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-350 of human SMYD1 (NP_938015.1).

### ADDITIONAL INFORMATION

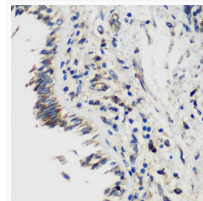
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



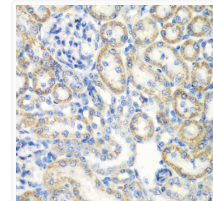
Immunofluorescence analysis of MCF-7 cells using SMYD1 antibody (STJ26205). Blue: DAPI for nuclear staining.



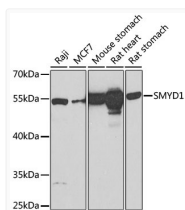
Immunohistochemistry analysis of paraffin-embedded mouse heart using SMYD1 antibody (STJ26205) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded human lung using SMYD1 antibody (STJ26205) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat kidney using SMYD1 antibody (STJ26205) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts of various cell lines, using SMYD1 Antibody (STJ26205) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.