

Anti-SMYD4 antibody (1-260) (STJ29449)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

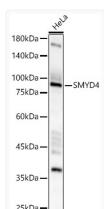
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:5000 IHC-P:1:50-1:200 IF/ICC:1:50-1:100 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your spec
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 89kDa Observed Mw: 89kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

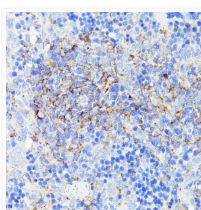
Gene ID	114826
Gene Symbol	SMYD4
UniProt ID	SMYD4_HUMAN
Immunogen Region	1-260
Immunogen Sequence	MDLPVDEWKSYYLQKWASLP TSVQVTISTAETLRDIFLHS SSSLQPEDEFLKRLSKGYL VGKDSADAPLFYREEGNKKFQ EKDYTGAAVLYSGVSHSRP NTEDMSLCHANRSAALFHLG QYETCLKDINRAQTHGYPER LQPKIMLRKAECLVALGRLO EASQTISDLERNFTATPALA DVLPTLQRNLHRLKMKMQE KDSLTFSPAALAKTLEDA LRENEQLSNASSSIGLCV
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human SMYD4 (NP_443160.2).

ADDITIONAL INFORMATION

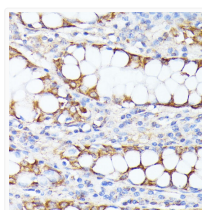
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



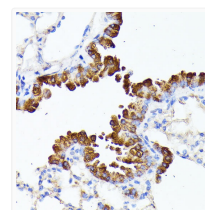
Western blot analysis of HeLa, using SMYD4 rabbit polyclonal antibody (STJ29449) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



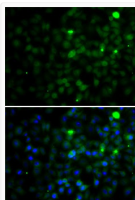
Immunohistochemistry analysis of paraffin-embedded rat spleen using SMYD4 antibody (STJ29449) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



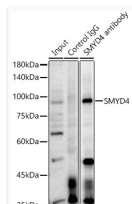
Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using SMYD4 antibody (STJ29449) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse lung using SMYD4 antibody (STJ29449) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunofluorescence analysis of A-549 cells using SMYD4 antibody (STJ29449). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 300ug extracts of HeLa cells using 3ug SMYD4 rabbit polyclonal antibody (STJ29449 1:2000). Western blot was performed from the immunoprecipitate using SMYD4 rabbit polyclonal antibody (STJ29449) at a dilution of 1:1000.