

**SMYD4 polyclonal antibody**

Catalog: BS78344

Host: Rabbit

Reactivity: Human, Mouse

**BackGround:**

Plays a critical role in cardiac development. Acts as a key epigenetic regulator of gene expression during cardiac development via its dual activities as a methyltransferase and negative regulator of HDAC1 (By similarity).

**Product:**

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

90kDa

**Swiss-Prot:**

Q8IYR2

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

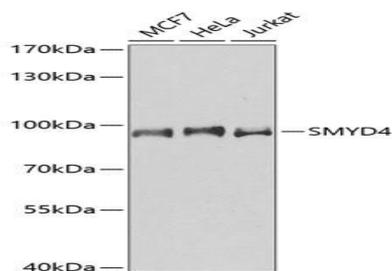
WB, 1:500 - 1:2000 | IF/ICC, 1:50 - 1:200 | IP, 1:20 - 1:50

**Storage&Stability:**

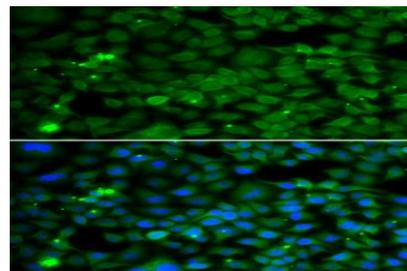
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Modification:**

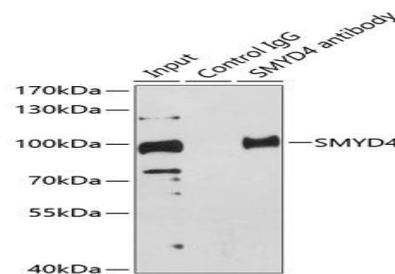
Unmodification

**DATA:**

Western blot analysis of extracts of various cell lines, using SMYD4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



Immunofluorescence analysis of MCF-7 cells using SMYD4 antibody. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of HeLa cells using 1ug SMYD4 antibody. Western blot was performed from the immunoprecipitate using SMYD4 antibody at a dilution of 1:500. Detection: ECL Enhanced Kit. Exposure time: 20s.

**Note:**

For research use only, not for use in diagnostic procedure.

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