

# Product Datasheet

## SMYD3 Antibody - BSA Free

### NBP2-20430

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-20430**

SMYD3 Antibody - BSA Free

**Product Information**

|                                |                                                                                                                  |
|--------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>               | 0.1 ml                                                                                                           |
| <b>Concentration</b>           | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>                 | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.                                                     |
| <b>Clonality</b>               | Polyclonal                                                                                                       |
| <b>Preservative</b>            | 0.025% Proclin 300                                                                                               |
| <b>Isotype</b>                 | IgG                                                                                                              |
| <b>Purity</b>                  | Antigen Affinity-purified                                                                                        |
| <b>Buffer</b>                  | PBS (pH 7), 20% Glycerol                                                                                         |
| <b>Target Molecular Weight</b> | 49 kDa                                                                                                           |

**Product Description**

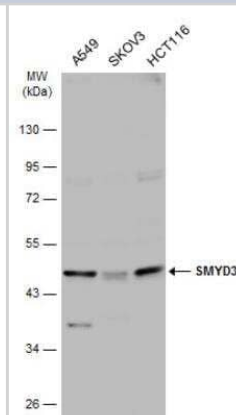
|                         |                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>      | Novus Biologicals Rabbit SMYD3 Antibody - BSA Free (NBP2-20430) is a polyclonal antibody validated for use in WB, ICC/IF, IP and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>             | Rabbit                                                                                                                                                                                                     |
| <b>Gene ID</b>          | 64754                                                                                                                                                                                                      |
| <b>Gene Symbol</b>      | SMYD3                                                                                                                                                                                                      |
| <b>Species</b>          | Human, Mouse                                                                                                                                                                                               |
| <b>Reactivity Notes</b> | Rhesus Monkey (99%), Bovine (80%).                                                                                                                                                                         |
| <b>Immunogen</b>        | Recombinant protein encompassing a sequence within the center region of human SMYD3. The exact sequence is proprietary.                                                                                    |

**Product Application Details**

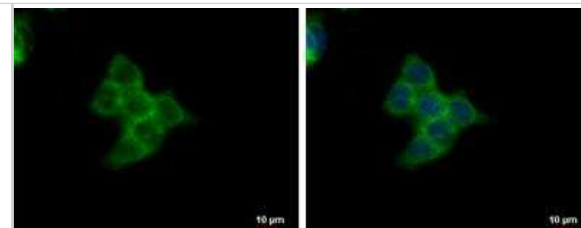
|                              |                                                                                                                                                        |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)                                       |
| <b>Recommended Dilutions</b> | Western Blot 1:500-1:3000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Chromatin Immunoprecipitation (ChIP) |

**Images**

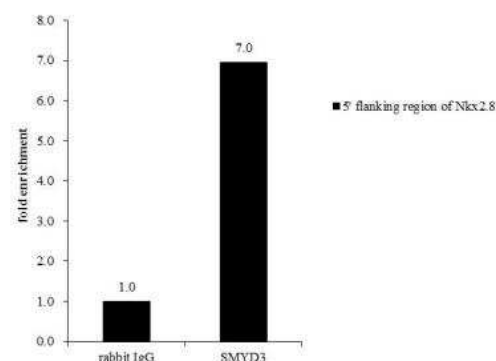
Western Blot: SMYD3 Antibody [NBP2-20430] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with SMYD3 antibody diluted at 1:1000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



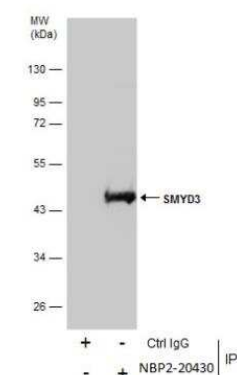
**Immunocytochemistry/Immunofluorescence: SMYD3 Antibody [NBP2-20430]** - HCT116 cells were fixed in ice-cold MeOH for 5 min. Green: SMYD3 protein stained by SMYD3 antibody diluted at 1:500. Blue: Hoechst 33342 staining.



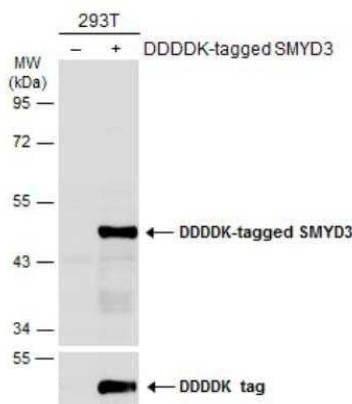
**Chromatin Immunoprecipitation: SMYD3 Antibody [NBP2-20430]** - Cross-linked ChIP was performed with HepG2 chromatin extract and 5 µg of either normal rabbit IgG or anti-SMYD3 antibody. The precipitated DNA was detected by PCR with primer set targeting to 5' flanking region of Nkx2.8.



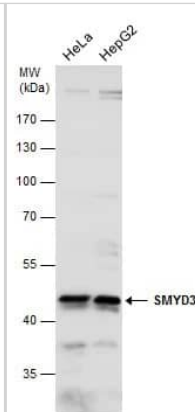
**Immunoprecipitation: SMYD3 Antibody [NBP2-20430]** - Immunoprecipitation of SMYD3 protein from 293T whole cell extracts using 5 µg of SMYD3 antibody. Western blot analysis was performed using SMYD3 antibody. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



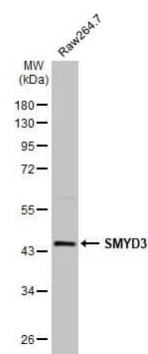
**SMYD3 Antibody [NBP2-20430]** - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with SMYD3 antibody diluted at 1:1000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: SMYD3 Antibody [NBP2-20430] - SMYD3 antibody detects SMYD3 protein by Western blot analysis. Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with SMYD3 antibody (NBP2-20430) diluted at a dilution of 1:1000.



Western Blot: SMYD3 Antibody [NBP2-20430] - Whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with SMYD3 antibody (NBP2-20430) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.





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### **Products Related to NBP2-20430**

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|                    |                                                     |
|--------------------|-----------------------------------------------------|
| HAF008             | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160             | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891         | Rabbit IgG Isotype Control                          |
| H00064754-P01-10ug | Recombinant Human SMYD3 GST (N-Term) Protein        |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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