

# Product Datasheet

## SMYD5 Antibody NBP1-31222

Unit Size: 0.1 ml

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

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### Publications: 1

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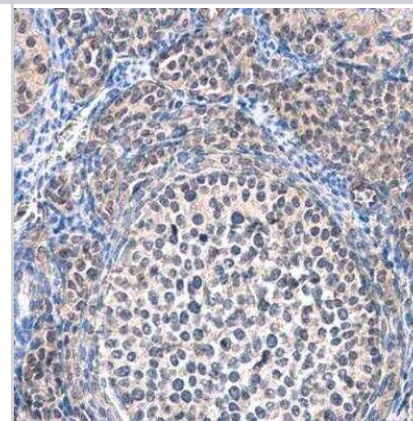
**NBP1-31222**

## SMYD5 Antibody

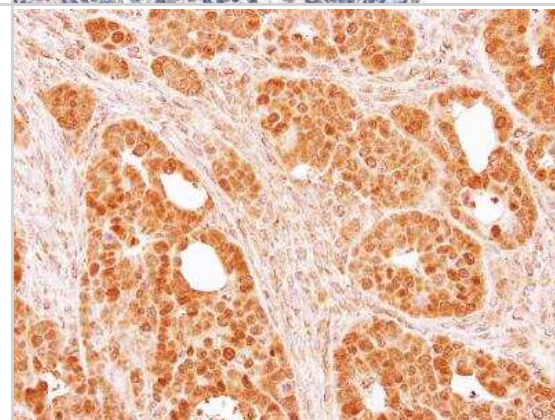
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Target Molecular Weight</b>	47 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	10322
<b>Gene Symbol</b>	SMYD5
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human SMYD5. The exact sequence is proprietary.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

## Images

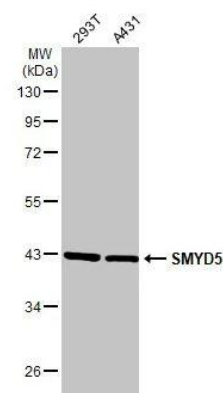
Immunohistochemistry-Paraffin: SMYD5 Antibody [NBP1-31222] - Paraffin-embedded mouse ovary. SMYD5 antibody [C2C3], C-term diluted at 1:500.



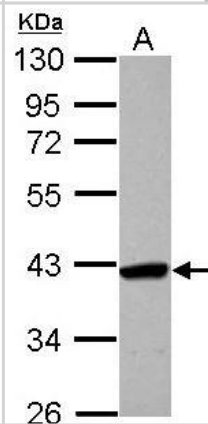
Immunohistochemistry-Paraffin: SMYD5 Antibody [NBP1-31222] - Paraffin-embedded NCI-N87 xenograft, using antibody at 1:100 dilution.



Western Blot: SMYD5 Antibody [NBP1-31222] -Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with SMYD5 antibody [C2C3], C-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Western Blot: SMYD5 Antibody [NBP1-31222] - Sample (30 ug of whole cell lysate) A: U87-MG 10% SDS PAGE diluted at 1:1000



## Publications

Hou Y, Sun X, Gheinani PT et al. Epithelial SMYD5 Exaggerates IBD by Downregulating Mitochondrial Functions via Post-translational Control of PGC-1 alpha Stability Cellular and molecular gastroenterology and hepatology 2022-05-25 [PMID: 35643234] (IF/IHC, Mouse)



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### **Products Related to NBP1-31222**

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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
H00010322-P01-10ug	Recombinant Human SMYD5 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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