

# Product Datasheet

## KMT3B/NSD1 Antibody (4F1) - Azide and BSA Free H00064324-M08

Unit Size: 0.1 mg

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

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**H00064324-M08**

KMT3B/NSD1 Antibody (4F1) - Azide and BSA Free

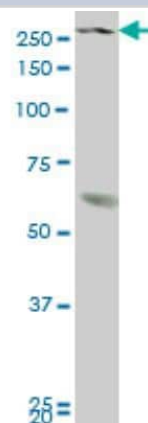
| Product Information |                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------|
| Unit Size           | 0.1 mg                                                                                                           |
| Concentration       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage             | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.                                                     |
| Clonality           | Monoclonal                                                                                                       |
| Clone               | 4F1                                                                                                              |
| Preservative        | No Preservative                                                                                                  |
| Isotype             | IgG2a Kappa                                                                                                      |
| Purity              | IgG purified                                                                                                     |
| Buffer              | In 1x PBS, pH 7.4                                                                                                |

| Product Description     |                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                                   |
| Gene ID                 | 64324                                                                                                                                                                                                                                   |
| Gene Symbol             | NSD1                                                                                                                                                                                                                                    |
| Species                 | Human                                                                                                                                                                                                                                   |
| Specificity/Sensitivity | NSD1 - nuclear receptor binding SET domain protein 1 (4F1)                                                                                                                                                                              |
| Immunogen               | NSD1 (NP_071900, 2 a.a. ~ 109 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>DQTCELPRRNCLLPFSNPVNLDAPEDKDSPFGNGQSNFSEPLNGCTMQLSTV<br>SGTSQNAYGQDSPSCYIPLRRLQDLASMINVEYLNLSADGSESFQDPEKSDSR<br>AQT |
| Notes                   | This product is produced by and distributed for Abnova, a company based in Taiwan.                                                                                                                                                      |

| Product Application Details |                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------|
| Applications                | Western Blot, ELISA, Immunoprecipitation                                          |
| Recommended Dilutions       | Western Blot 1:500, ELISA, Immunoprecipitation                                    |
| Application Notes           | Antibody reactive against tissue lysate and recombinant protein for western blot. |

**Images**

Western Blot: KMT3B/NSD1 Antibody (4F1) [H00064324-M08] - NSD1 monoclonal antibody (M08), clone 4F1. Western Blot analysis of NSD1 expression in human uterus myoma.



## Publications

Zhang S, Xu J, Cao H et al. KB-68A7.1 Inhibits Hepatocellular Carcinoma Development Through Binding to NSD1 and Suppressing Wnt/ $\beta$ -Catenin Signalling *Frontiers in Oncology* 2022-01-20 [PMID: 35127520]

Zhang S, Jiang M, Cao H et al. CTB-193M12.5 Promotes Hepatocellular Carcinoma Progression via Enhancing NSD1-Mediated WNT10B/Wnt/ $\beta$ -Catenin Signaling Activation *Journal of hepatocellular carcinoma* 2022-06-07 [PMID: 35698644] (WB, Human)

Lu T, Jackson MW, Wang B et al. Regulation of NF-kappaB by NSD1/FBXL11-dependent reversible lysine methylation of p65. *Proc Natl Acad Sci U S A* 107(1):46-51. 2010-01-05 [PMID: 20080798]





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### **Products Related to H00064324-M08**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-96981-0.5mg | Mouse IgG2a Kappa Isotype Control (M2AK)                |
| NBP2-55512PEP    | KMT3B/NSD1 Recombinant Protein Antigen                  |

### **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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