

**NSD1 Antibody (monoclonal) (M08)****Mouse monoclonal antibody raised against a partial recombinant NSD1.****Catalog # AT3117a****Specification**

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**NSD1 Antibody (monoclonal) (M08) - Product Information**

Application	WB
Primary Accession	<a href="#">Q96L73</a>
Other Accession	<a href="#">NM_022455</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	296652

**NSD1 Antibody (monoclonal) (M08) - Additional Information****Gene ID** 64324**Other Names**

Histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specific, Androgen receptor coactivator 267 kDa protein, Androgen receptor-associated protein of 267 kDa, H3-K36-HMTase, H4-K20-HMTase, Lysine N-methyltransferase 3B, Nuclear receptor-binding SET domain-containing protein 1, NR-binding SET domain-containing protein, NSD1, ARA267, KMT3B

**Target/Specificity**

NSD1 (NP\_071900, 2 a.a. ~ 109 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

NSD1 Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

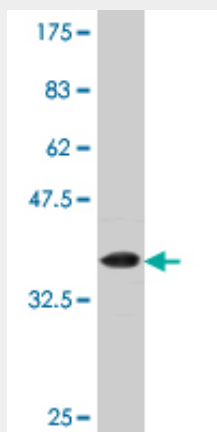
**NSD1 Antibody (monoclonal) (M08) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **NSD1 Antibody (monoclonal) (M08) - Images**



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.62 kDa) .

#### **NSD1 Antibody (monoclonal) (M08) - Background**

This gene encodes a protein containing a SET domain, 2 LXXLL motifs, 3 nuclear translocation signals (NLSs), 4 plant homeodomain (PHD) finger regions, and a proline-rich region. The encoded protein enhances androgen receptor (AR) transactivation, and this enhancement can be increased further in the presence of other androgen receptor associated coregulators. This protein may act as a nucleus-localized, basic transcriptional factor and also as a bifunctional transcriptional regulator. Mutations of this gene have been associated with Sotos syndrome and Weaver syndrome. One version of childhood acute myeloid leukemia is the result of a cryptic translocation with the breakpoints occurring within nuclear receptor-binding Su-var, enhancer of zeste, and trithorax domain protein 1 on chromosome 5 and nucleoporin, 98-kd on chromosome 11. Two transcript variants encoding distinct isoforms have been identified for this gene.

#### **NSD1 Antibody (monoclonal) (M08) - References**

1. Regulation of NF-kappaB by NSD1/FBXL11-dependent reversible lysine methylation of p65. Lu T, Jackson MW, Wang B, Yang M, Chance MR, Miyagi M, Gudkov AV, Stark GR. Proc Natl Acad Sci U S A. 2010 Jan 5;107(1):46-51. Epub 2009 Dec 22.