

NSD1 Antibody (monoclonal) (M08)

Mouse monoclonal antibody raised against a partial recombinant NSD1.

Catalog # AT3117a

Product Information

Application	WB
Primary Accession	Q96L73
Other Accession	NM_022455
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4F1
Calculated MW	296652

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.

Background

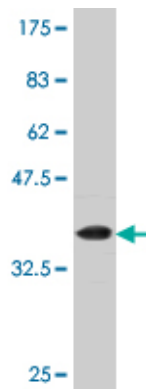
This gene encodes a protein containing a SET domain, 2 LXXLL motifs, 3 nuclear translocation signals (NLSs), 4 plant homeodomain (PHD) finger regions, and a proline-rich region. The encoded protein enhances androgen receptor (AR) transactivation, and this enhancement can be increased further in the presence 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.

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.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.