



## **NSD1** Monoclonal Antibody

Catalog No         BYab-00089           Isotype         IgG           Reactivity         Human           Applications         WB           Gene Name         NSD1           Protein Name         Histone-lysine N-methyltransferase H3 lysine-36 and H4 lysine-20 specific           Immunogen         Purified recombinant human NSD1 protein fragments expressed in E.coli.           Specificity         NSD1 Monoclonal Antibody detects endogenous levels of NSD1 protein.           Formulation         Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.           Source         Monoclonal, Mouse           Purification         Affinity purification           Dilution         Western Blot: 1/1000 - 1/2000. Not yet tested in other applications.           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         NSD1; ARA267; KMT3B; 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-methyltr           Observed Band         Expressed in the fetal/adult brain, kidney, skeletal muscle, spleen, and the thymus, and faintly in the lung.           Function             Expressed in the fetal/adult brain, kidney,		
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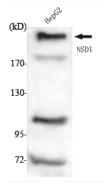


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	characterized by anterior abdominal wall defects including exomphalos (omphalocele), pre- and postnatal overgrowth, and macroglossia. Additional less frequent complications include specific developmental defects and a predisposition to embryonal tumors.,disease:Defects in NSD1 are the cause of Sotos syndrome [MIM:117550]; also kn
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 isofo
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Western Blot analysis using NSD1 Monoclonal Antibody against HepG2 cell lysate .

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