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Datasheet for ABIN5007873

**anti-NSD1 antibody (AA 2401-2600) (Alexa Fluor 680)**

## Overview

Quantity:	100 µL
Target:	NSD1
Binding Specificity:	AA 2401-2600
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NSD1 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NSD1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	NSD1
Alternative Name:	NSD1 ( <a href="#">NSD1 Products</a> )

## Target Details

Background:	<p>Synonyms: Androgen receptor coactivator 267 kDa protein, Androgen receptor-associated protein of 267 kDa, ARA267, H3 K36 HMTase, H3-K36-HMTase, H4 K20 HMTase, H4-K20-HMTase, Histone-lysine N-methyltransferase, H3 lysine-36 and H4 lysine-20 specic, KMT3B, Lysine N-methyltransferase 3B, NR binding SET domain containing protein, NR-binding SET domain-containing protein, Nsd1, NSD1_HUMAN, Nuclear receptor binding SET domain containing protein 1, Nuclear receptor-binding SET domain-containing protein 1.</p> <p>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. [provided by RefSeq, Jul 2008].</p>
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Gene ID:	64324
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## Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	1 µg/µL
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Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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Preservative:	ProClin
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Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
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## Handling

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Storage:	-20 °C
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Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
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Expiry Date:	12 months
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