



# NSD3 rabbit pAb

<b>Catalog No</b>	BYab-08799
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	WHSC1L1 NSD3 DC28
<b>Protein Name</b>	NSD3
<b>Immunogen</b>	Synthesized peptide derived from human NSD3 AA range: 1373-1423
<b>Specificity</b>	This antibody detects endogenous levels of NSD3 at Human/Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1: 500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	Nucleus . Chromosome .
<b>Tissue Specificity</b>	Highly expressed in brain, heart and skeletal muscle. Expressed at lower level in liver and lung.
<b>Function</b>	catalytic activity:S-adenosyl-L-methionine + histone L-lysine = S-adenosyl-L-homocysteine + histone N(6)-methyl-L-lysine.,disease:A chromosomal aberration involving WHSC1L1 is found in childhood acute myeloid leukemia. Translocation t(8;11)(p11.2;p15) with NUP98.,disease:Defects in WHSC1L1 may be involved in non small cell lung carcinomas (NSCLC). Amplified or overexpressed in NSCLC.,function:Histone methyltransferase. Preferentially methylates 'Lys-4' and 'Lys-27' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation, while 'Lys-27' is a mark for transcriptional repression.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the histone-lysine methyltransferase family. SET2 subfamily.,similarity:Contains 1 AWS domain.,similarity:Contains 1 post-SET domain.,similarity:Contains 1 SET domain.,similari

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**Background**

This gene is related to the Wolf-Hirschhorn syndrome candidate-1 gene and encodes a protein with PWWP (proline-tryptophan-tryptophan-proline) domains. This protein methylates histone H3 at lysine residues 4 and 27, which represses gene transcription. Two alternatively spliced variants have been described. [provided by RefSeq, May 2015],

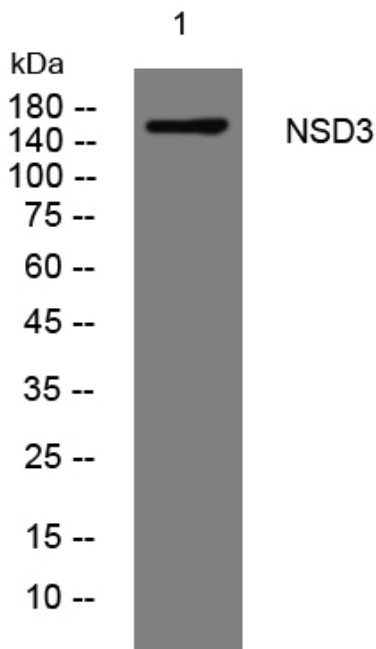
**matters needing attention**

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 of lysates from 293T cells, primary antibody was diluted at 1:1000, 4° over night