

Rabbit NSD3 Monoclonal Antibody | anti-NSD3 antibody

Anti-NSD3 Rabbit Monoclonal Antibody

CATALOG # AAA124480	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay
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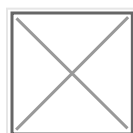
PRODUCT SYNONYMS

NSD3; Monoclonal Antibody; Anti-NSD3 Rabbit Monoclonal Antibody; Histone-lysine N-methyltransferase NSD3; 2.1.1.43; Nuclear SET domain-containing protein 3; Protein whistle; WHSC1-like 1 isoform 9 with methyltransferase activity to lysine; Wolf-Hirschhorn syndrome candidate 1-like protein 1; WHSC1-like protein 1; WHSC1L1; DC28; anti-NSD3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	1,426
Applicable Applications for anti-NSD3 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Immunogen	A synthesized peptide derived from human NSD3
Subcellular Localization	Nucleus. Chromosome.
Tissue Specificity	Highly expressed in brain, heart and skeletal muscle. Expressed at lower level in liver and lung.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Western blot analysis of NSD3 expression in MCF-7 cell lysate (AAA124480). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-WHSC1L1 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for WHSC1L1.

ADDITIONAL INFORMATION

Related Product Information for anti-NSD3 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13699813
NCBI GeneID	54904
NCBI Accession #	NP_060248.2
NCBI GenBank Nucleotide #	NM_017778.2
UniProt Accession #	Q9BZ95; Q1RMD3; Q3B796; Q6ZSA5; Q9BYU8; Q9BYU9; Q9H2M8; Q9H9W9; Q9NXA6; B7ZL11; D3DSX1
Molecular Weight	161613 MW
NCBI Official Full Name	histone-lysine N-methyltransferase NSD3 isoform short
NCBI Official Synonym Full Names	nuclear receptor binding SET domain protein 3
NCBI Official Symbol	NSD3
NCBI Official Synonym Symbols	KMT3F; KMT3G; WHISTLE; WHSC1L1; pp14328
NCBI Protein Information	histone-lysine N-methyltransferase NSD3
UniProt Protein Name	Histone-lysine N-methyltransferase NSD3
UniProt Gene Name	NSD3
UniProt Synonym Gene Names	WHSC1-like protein 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.