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# **Human NSD3 antibody**

Catalog Number: ANS0804

#### PRODUCT INFORMATION

# Catalog number

ANS0804

#### Clone No.

AT7B4

# **Product type**

Monoclonal Antibody

#### UnitProt No.

Q9BZ95

#### **NCBI Accession No.**

NP 075447

#### **Alternative Names**

Transcription elongation factor B polypeptide 3 binding protein 1, DKFZp667H044, FLJ20353, Histone lysine N methyltransferase NSD3, MGC126766, MGC142029, NSD 3, Nuclear set domain containing 3, Nuclear SET domain containing protein 3, pp14328, Whistle, WHSC1 like protein 1, WHSC1L1 protein, Wolf Hirschhorn syndrome candidate 1 like 1,

# **PRODUCT SPECIFICATION**

#### **Antibody Host**

Mouse

#### **Reacts With**

Human

#### Concentration

1mg/ml (determined by BCA assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

#### **Immunogen**

Recombinant human NSD3 (383-660aa) purified from E. coli

#### Isotype

IgG2b kappa

# **Purification Note**

By protein-G affinity chromatography

# **Application**

ELISA, WB

# Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



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#### **Storage**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

# **BACKGROUND**

## **Description**

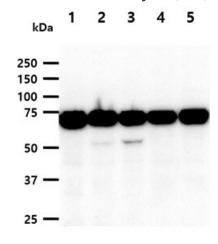
This gene encoding NSD3 is related to the Wolf-Hirschhorn syndrome candidate - 1 gene and encodes a protein with PWWP (proline-tryptophan-tryptophan-proline) domains. NSD3 is Histone methyltransferase which preferentially methylates 'Lys-4' and 'Lys-27' of histone H3 and is amplified in several tumor cell lines and primary breast carcinomas.

#### **General References**

Angrand P.O, et al. (2001) Genomics 74(1):79-88 Stec I, et al. (2000) FEBS Lett 473(1):1-5

## **DATA**

# Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NSD3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: 293T cell lysate Lane 2.: HeLa cell lysate Lane 3.: MCF7 cell lysate Lane 4.: NIH3T3 cell lysate Lane 5.: U87MG cell lysate

