


Product datasheet

Anti-WHSC1/NSD2 antibody ab113258

1 Image

Overview

Product name	Anti-WHSC1/NSD2 antibody
Description	Rabbit polyclonal to WHSC1/NSD2
Host species	Rabbit
Tested applications	Suitable for: IP Unsuitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide corresponding to a region between residues 1315 and 1365 of Human WHSC1/NSD2 (NP_579877.1).
Positive control	HeLa whole cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: 99.91% Tris citrate/phosphate Note: pH 7-8
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab113258** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at 2-10 µg/mg of lysate.

Application notes

Is unsuitable for WB.

Target**Function**

Probable histone methyltransferase (By similarity). May act as a transcription regulator that binds DNA and suppresses IL5 transcription.

Tissue specificity

Widely expressed.

Involvement in disease

Note=A chromosomal aberration involving WHSC1 is a cause of multiple myeloma tumors. Translocation t(4;14)(p16.3;q32.3) with IgH.

Note=WHSC1 is located in the Wolf-Hirschhorn syndrome (WHS) critical region. WHS results from by sub-telomeric deletions in the short arm of chromosome 4. WHSC1 is deleted in every case, however deletion of linked genes contributes to both the severity of the core characteristics and the presence of the additional syndromic problems.

Sequence similarities

Belongs to the histone-lysine methyltransferase family. SET2 subfamily.

Contains 1 AWS domain.

Contains 1 HMG box DNA-binding domain.

Contains 4 PHD-type zinc fingers.

Contains 1 post-SET domain.

Contains 2 PWWP domains.

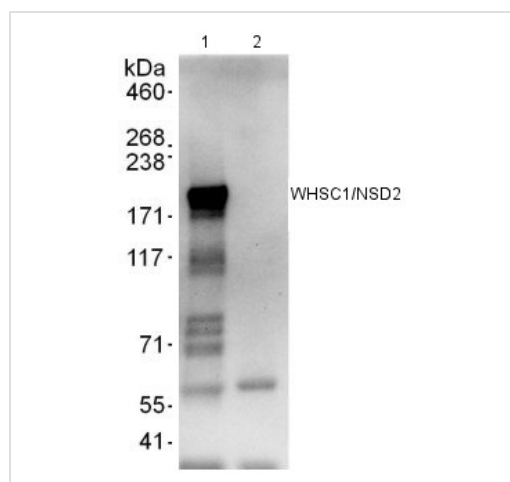
Contains 1 SET domain.

Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Cytoplasm and Nucleus. Chromosome.

Images

ab113258 at 6ug/mg of lysate detecting WHSC1/NSD2 by immunoprecipitation (lane 1). 1mg of HeLa whole cell lysate was used, 20% of immunoprecipitate was loaded. Lane 2: IgG control.

Immunoprecipitation - Anti-WHSC1/NSD2 antibody (ab113258)

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