


Product datasheet

Anti-WHSC1/NSD2 antibody ab113258

1 Image

Overview

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

Properties

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

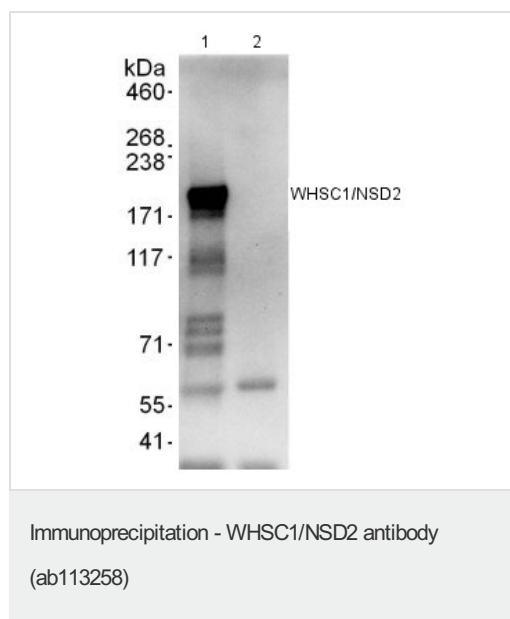
Contains 1 SET domain.

**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.

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