

WHSC1L1 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12757a**Specification**

WHSC1L1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9BZ95
Other Accession	NP_060248.2 , NP_075447.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	161613
Antigen Region	188-217

WHSC1L1 Antibody (N-term) - Additional Information**Gene ID** 54904**Other Names**

Histone-lysine N-methyltransferase NSD3, 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, NSD3

Target/Specificity

This WHSC1L1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 188-217 amino acids from the N-terminal region of human WHSC1L1.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

WHSC1L1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

WHSC1L1 Antibody (N-term) - Protein Information**Name** NSD3 ([HGNC:12767](#))

Synonyms WHSC1L1

Function Histone methyltransferase. Preferentially dimethylates 'Lys- 4' and 'Lys-27' of histone H3 forming H3K4me2 and H3K27me2. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation, while 'Lys-27' is a mark for transcriptional repression.

Cellular Location

Nucleus. Chromosome.

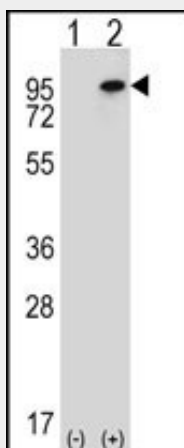
Tissue Location

Highly expressed in brain, heart and skeletal muscle. Expressed at lower level in liver and lung

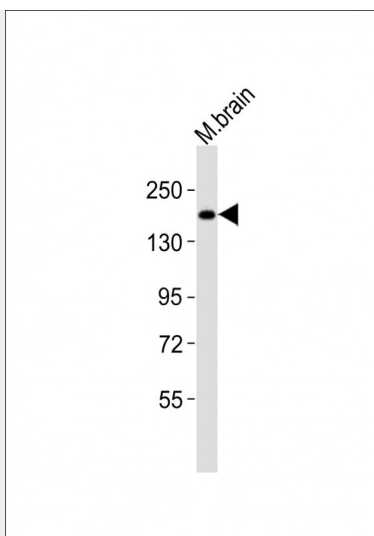
WHSC1L1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

WHSC1L1 Antibody (N-term) - Images

Western blot analysis of WHSC1L1 (arrow) using rabbit polyclonal WHSC1L1 Antibody (N-term) (Cat. #AP12757a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the WHSC1L1 gene.



Anti-WHSC1L1 Antibody (N-term) at 1:2000 dilution + mouse brain lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 162 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

WHSC1L1 Antibody (N-term) - Background

This gene is related to the Wolf-Hirschhorn syndrome candidate-1 gene and encodes a protein with PWWP (proline-tryptophan-tryptophan-proline) domains. The function of the protein has not been determined. Two alternatively spliced variants have been described.

WHSC1L1 Antibody (N-term) - References

Zhou, Z., et al. Biochem. Biophys. Res. Commun. 398(3):565-570(2010)
Kim, S.M., et al. Biochem. Biophys. Res. Commun. 345(1):318-323(2006)
Tonon, G., et al. Proc. Natl. Acad. Sci. U.S.A. 102(27):9625-9630(2005)
Rosati, R., et al. Blood 99(10):3857-3860(2002)
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