

WHSC1L1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12757a

Product Information

Application	WB, E
Primary Accession	Q9BZ95
Other Accession	NP_060248.2 , NP_075447.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB12677
Calculated MW	161613
Antigen Region	188-217

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~~1:1000 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.

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

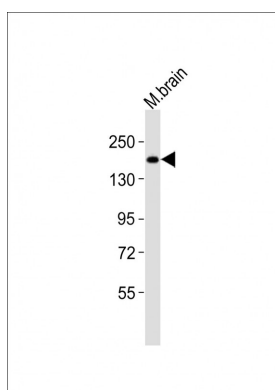
Background

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.

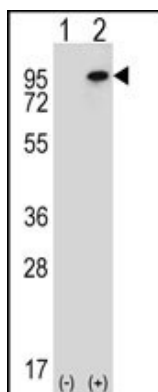
References

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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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Images



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.



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.