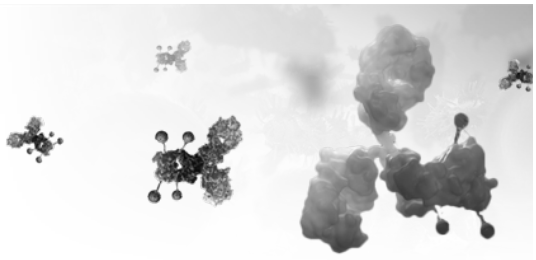

Rabbit Anti-WHSC1L1 monoclonal antibody, clone TO18-22 (CABT-L743)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	NSD3
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TO18-22
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, FC
Molecular Weight	162 kDa
Cellular Localization	Nucleus, Chromosome.
Positive Control	MCF-7, 293T.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	The deduced 1,437 amino acid NSD3 protein contains two PWWP domains involved in protein-protein interactions, five PHD-type zinc finger motifs found in chromatin-associated proteins, a SAC (SET-associated cys-rich) domain, a SET domain and a C-terminal C5HCH domain. Two NSD3 variants have been identified. The short variant comprised of 645 amino acids, arises from alternative polyadenylation and exon splicing and contains a single PWWP domain. A longer NSD3 variant, which is only expressed in HeLa cells, is comprised of 1,388 amino acid residues. The human WHSC1L1 gene, which encodes the NSD3 protein, shares 68% and 55% identity with mouse Nsd1 and human WHSC1, respectively. Highest expression of NSD3 is observed in brain, heart and skeletal muscle tissues; lower levels of NSD3 expression are observed in the liver and lungs.
Keywords	DKFZp667H044;FLJ20353;Histone lysine N methyltransferase NSD3;Histone-lysine N-methyltransferase NSD3;MGC126766;MGC142029;NSD 3;NSD3_HUMAN;Nuclear set domain containing 3;Nuclear SET domain containing protein 3;Nuclear SET domain-containing protein 3;pp14328;Protein whistle;Whistle;WHSC1 like protein 1;WHSC1-like 1 isoform 9 with methyltransferase activity to lysine;WHSC1-like protein 1;WHSC1L1;WHSC1L1 protein;Wolf Hirschhorn syndrome candidate 1 like 1;Wolf-Hirschhorn syndrome candidate 1-like protein 1 antibody

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