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MSL1v1/CENP36 Rabbit pAb

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Catalog # AP56869

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q7Z3B3
Reactivity	Rat
Predicted	Pig, Dog, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	120966
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MSL1v1/CENP36
Epitope Specificity	501-600/1105
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Expressed in the brain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a nuclear protein that is a subunit of two protein complexes involved with histone acetylation, the MLL1 complex and the NSL1 complex. The corresponding protein in Drosophila interacts with K(lysine) acetyltransferase 8, which is also a subunit of both the MLL1 and NSL1 complexes. [provided by RefSeq, Jun 2012]

Additional Information

Gene ID	284058
Other Names	KAT8 regulatory NSL complex subunit 1, MLL1/MLL complex subunit KANSL1, MSL1 homolog 1, hMSL1v1, NSL complex protein NSL1, Non-specific lethal 1 homolog, KANSL1, CENP-36, KIAA1267, MSL1V1, NSL1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

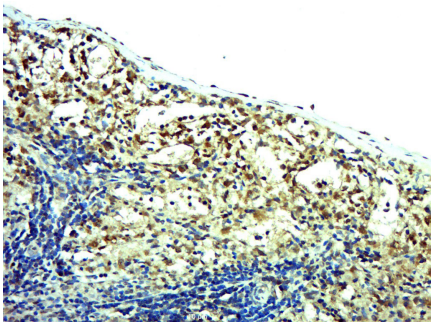
Name	KANSL1

Synonyms	CENP-36, KIAA1267, MSL1V1, NSL1
Function	Non-catalytic component of the NSL histone acetyltransferase complex, a multiprotein complex that mediates histone H4 acetylation at 'Lys-5'- and 'Lys-8' (H4K5ac and H4K8ac) at transcription start sites and promotes transcription initiation (PubMed:20018852, PubMed:22547026, PubMed:33657400). The NSL complex also acts as a regulator of gene expression in mitochondria (PubMed:27768893). In addition to its role in transcription, KANSL1 also plays an essential role in spindle assembly during mitosis (PubMed:26243146). Associates with microtubule ends and contributes to microtubule stability (PubMed:26243146).
Cellular Location	Nucleus. Chromosome, centromere, kinetochore. Mitochondrion. Cytoplasm, cytoskeleton, spindle pole. Note=Concentrated in the nucleus during interphase, localizes to the spindle poles and pericentriolar region during prometaphase and metaphase, and remains associated with the spindle poles throughout anaphase.
Tissue Location	Expressed in the brain.

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Rat spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MSL1v1) Polyclonal Antibody, Unconjugated (AP56869) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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