

C12ORF4 Rabbit pAb

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Catalog # AP94195

Product Information

Application	WB
Primary Accession	Q9H9L4
Reactivity	Human
Predicted	Rat, Pig, Dog, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55042
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C12ORF4
Epitope Specificity	101-200/552
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5% of the human genome. A number of skeletal deformities are linked to chromosome 12 including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Noonan syndrome, which includes heart and facial developmental defects among the primary symptoms, is caused by a mutant form of PTPN11 gene product, SH-PTP2. Chromosome 12 is also home to a homeobox gene cluster which encodes crucial transcription factors for morphogenesis, and the natural killer complex gene cluster encoding C-type lectin proteins which mediate the NK cell response to MHC I interaction. Trisomy 12p leads to facial development defects, seizure disorders and a host of other symptoms varying in severity depending on the extent of mosaicism and is most severe in cases of complete trisomy. The C12orf4 gene product has been provisionally designated C12orf4 pending further characterization.

Additional Information

Gene ID	54934
Other Names	KAT8 regulatory NSL complex subunit 2, NSL complex protein NSL2, Non-specific lethal 2 homolog, KANSL2, C12orf41, NSL2
Dilution	WB=1:500-2000
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.

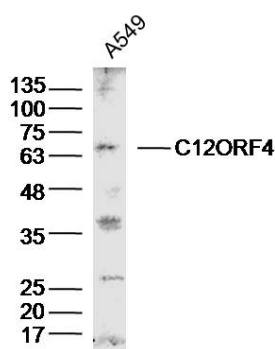
Protein Information

Name	KANSL2
Synonyms	C12orf41, NSL2
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: 33657400). Required for NSL complex stability and for transcription of intraciliary transport genes in both ciliated and non- ciliated cells by regulating histone H4 acetylation at 'Lys-5'- and 'Lys-12' (H4K5ac and H4K12ac) (By similarity). This is necessary for cilium assembly in ciliated cells and for organization of the microtubule cytoskeleton in non-ciliated cells (By similarity). Required within the NSL complex to maintain nuclear architecture stability by promoting KAT8-mediated acetylation of lamin LMNA (By similarity).
Cellular Location	Nucleus. Mitochondrion {ECO:0000250 UniProtKB:Q8BQR4}

Background

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Images



Sample: A549 Cell (Human) Lysate at 30 ug
Primary: Anti-C12ORF4 (AP94195) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 64kD
Observed band size: 64kD

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