

C12ORF49 Rabbit pAb

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Catalog # AP59437

Product Information

Application	WB
Primary Accession	Q9H741
Reactivity	Human
Predicted	Rat, Pig, Dog, Mouse, Zebrafish, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23594
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C12ORF49
Epitope Specificity	121-205/205
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	Secreted (Potential).
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 C12orf49 gene product has been provisionally designated C12orf49 pending further characterization.

Additional Information

Gene ID	79794
Other Names	SREBP regulating gene protein, SREBF pathway regulator in Golgi 1 {ECO:0000312 HGNC:HGNC:26128}, SPRING1 (HGNC:26128)
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.

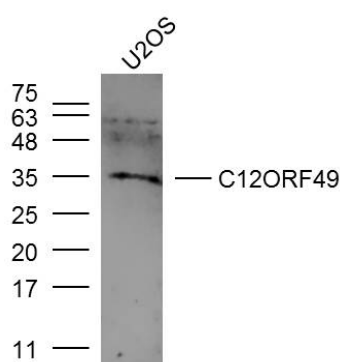
Protein Information

Name	SPRING1 (HGNC:26128)
Function	Positively regulates hepatic SREBP signaling pathway by modulating the proper localization of SCAP (SREBP cleavage-activating protein) to the endoplasmic reticulum, thereby controlling the level of functional SCAP.
Cellular Location	Golgi apparatus membrane; Single-pass membrane protein

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Images



Sample:
U2OS Cell (Human) Lysate at 30 ug
Primary: Anti-C12ORF49 (AP59437) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 24 kD
Observed band size: 35 kD

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