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SURF4 Rabbit pAb

Catalog # AP97118

Product Information

Application	WB
Primary Accession	O15260
Other Accession	O15260
Reactivity	Human
Predicted	Rat, Pig, Mouse, Zebrafish, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30394
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SURF4
Epitope Specificity	101-200/269
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the SURF4 family.
SUBUNIT	Found in a complex composed at least of SURF4, TMED2 and TMED10. May interact with LMAN1.
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 is located in the surfeit gene cluster, which is comprised of very tightly linked housekeeping genes that do not share sequence similarity. The encoded protein is a conserved integral membrane protein that interacts with endoplasmic reticulum-Golgi intermediate compartment proteins. Disruption of this gene results in reduced numbers of endoplasmic reticulum-Golgi intermediate compartment clusters and redistribution of coat protein I to the cytosol. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Additional Information

Gene ID	6836
Other Names	ERV29; Surf-4; SURF4_HUMAN; SURF4; SURF4_MOUSE; surfeit 4; surfeit locus protein 4; surface 4 integral membrane protein
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	SURF4 {ECO:0000303|PubMed:18287528, ECO:0000312|HGNC:HGNC:11476}
Function	Endoplasmic reticulum cargo receptor that mediates the export of lipoproteins by recruiting cargos into COPII vesicles to facilitate their secretion (PubMed:29643117, PubMed:30251625, PubMed:33186557). Acts as a cargo receptor for lipoproteins bearing both APOB and APOA1, thereby regulating lipoprotein delivery and the maintenance of lipid homeostasis (PubMed:29643117, PubMed:33186557). Synergizes with the GTPase SAR1B to mediate transport of circulating lipoproteins (PubMed:33186557). Promotes the secretion of PCSK9 (PubMed:30251625). Also mediates the efficient secretion of erythropoietin (EPO) (PubMed:32989016). May also play a role in the maintenance of the architecture of the endoplasmic reticulum-Golgi intermediate compartment and of the Golgi (PubMed:18287528).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein. Endoplasmic reticulum-Golgi intermediate compartment membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Note=Active at endoplasmic reticulum exit sites (ERES) where it is incorporated together with its lipoprotein cargos into COPII-coated vesicles. From the Golgi it is recycled back to the endoplasmic reticulum.

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