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SURF4 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11188

Specification

SURF4 Antibody (N-Terminus) - Product Information

Application	**IHC**
Primary Accession	O15260
Reactivity	**Human, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**30kDa KDa**

SURF4 Antibody (N-Terminus) - Additional Information

Gene ID 6836

Other Names
Surfeit locus protein 4, SURF4, SURF-4

Target/Specificity
Human SURF4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
SURF4 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SURF4 Antibody (N-Terminus) - 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:<a href="http://www.uniprot.org/citations/30251625"

target="_blank">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).

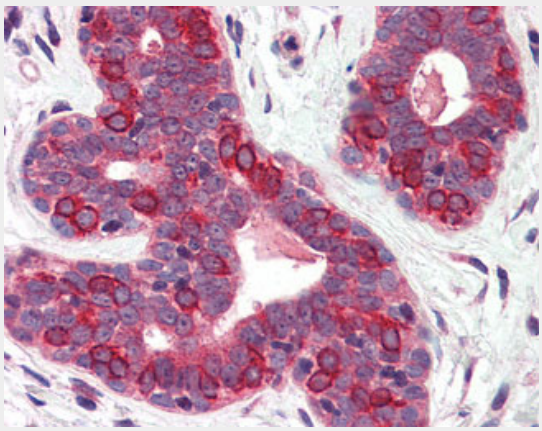
Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein. Endoplasmic reticulum-Golgi intermediate compartment membrane; Multi- pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Note=Active at endoplasmic reticulum exit sites (ERES) where it is incorporated together with its lipoprotein cargos into COPII-coated vesicles. From the Golgi it is recycled back to the endoplasmic reticulum.

SURF4 Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SURF4 Antibody (N-Terminus) - Images



Anti-SURF4 antibody ALS11188 IHC of human breast.

SURF4 Antibody (N-Terminus) - Background

May play a role in the maintenance of the architecture of the endoplasmic reticulum-Golgi intermediate compartment and of the Golgi.

SURF4 Antibody (N-Terminus) - References

Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
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Reeves J.E.,et al.Mol. Membr. Biol. 12:201-208(1995).