

SURF4 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11187**Specification**

SURF4 Antibody (N-Terminus) - Product Information

Application	IHC-P
Primary Accession	O15260
Reactivity	Human, Mouse, Chicken, Xenopus, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30kDa KDa
Dilution	IHC-P ~ N/A

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](http://www.uniprot.org/citations/29643117), PubMed:[30251625](http://www.uniprot.org/citations/30251625), PubMed:[33186557](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/29643117), PubMed:[33186557](http://www.uniprot.org/citations/33186557)). Synergizes with the GTPase SAR1B to mediate transport of circulating lipoproteins (PubMed:[33186557](http://www.uniprot.org/citations/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.

Volume

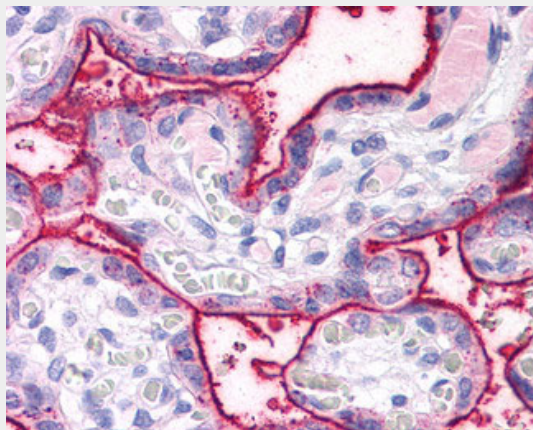
50 µl

SURF4 Antibody (N-Terminus) - Protocols

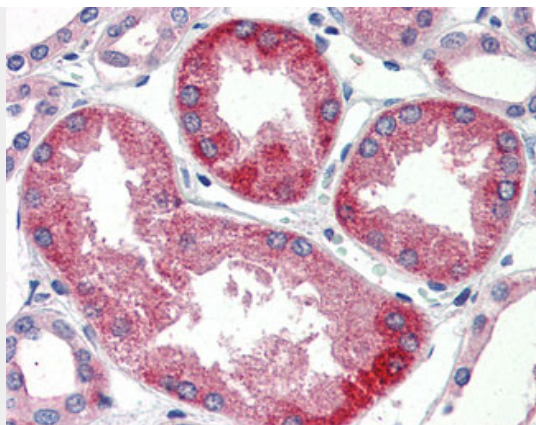
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SURF4 Antibody (N-Terminus) - Images



Anti-SURF4 antibody ALS11187 IHC of human placenta.



Anti-SURF4 antibody ALS11187 IHC of human kidney.

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).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Reeves J.E.,et al.Mol. Membr. Biol. 12:201-208(1995).