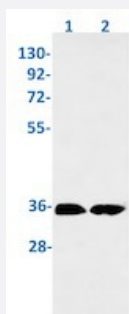


RecomAb™

# SURF4 recombinant monoclonal antibody, clone R07-1F1

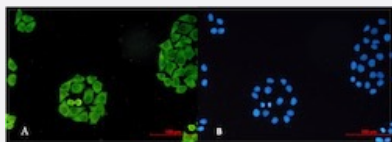
Catalog # RAB01813      Size 100 uL

## Applications



### Western Blot

Western blot analysis of Lane1: C6 and Lane2: Jurkat lysates with SURF4 recombinant monoclonal antibody, clone R07-1F1 (Cat # RAB01813).



### Immunocytochemistry

Immunocytochemical staining of HeLa with SURF4 recombinant monoclonal antibody, clone R07-1F1 (Cat # RAB01813). (A) SURF4 (green) and (B) DAPI (blue).

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SURF4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human SURF4.
Theoretical MW (kDa)	Calculated MW: 30 kD
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of Lane1: C6 and Lane2: Jurkat lysates with SURF4 recombinant monoclonal antibody, clone R07-1F1 (Cat # RAB01813).

- Immunocytochemistry

Immunocytochemical staining of HeLa with SURF4 recombinant monoclonal antibody, clone R07-1F1 (Cat # RAB01813).(A) SURF4 (green) and (B) DAPI (blue).

- Immunofluorescence

## Gene Info — SURF4

Entrez GeneID	<a href="#">6836</a>
Protein Accession#	<a href="#">O15260</a>
Gene Name	SURF4
Gene Alias	ERV29, FLJ22993, MGC102753
Gene Description	surfeit 4
Omim ID	<a href="#">185660</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

This gene is located in the surfait 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 containing multiple putative transmembrane regions. In eukaryotic cells, protein transport between the endoplasmic reticulum and Golgi compartments is mediated in part by non-clathrin-coated vesicular coat proteins (COPs). The specific function of this protein has not been determined but its yeast homolog is directly required for packaging glycosylated pro-alpha-factor in to COPII vesicles. This gene uses multiple polyadenylation sites, resulting in transcript length variation. The existence of alternatively spliced transcript variants has been suggested, but their validity has not been determined. [provided by RefSeq]

**Other Designations**

OTTHUMP00000022476|surface 4 integral membrane protein|surfait locus protein 4

**Disease**

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)