

Rabbit SURF1 Polyclonal Antibody | anti-SURF1 antibody

SURF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321184	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

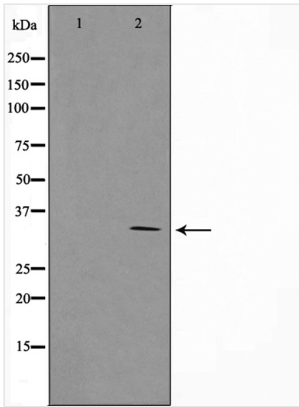
PRODUCT SYNONYMS

SURF1; Polyclonal Antibody; SURF1 Antibody; OTTHUMP00000022473; OTTHUMP00000022474; SURF 1; SURF-1; Surf1; SURF1_HUMAN; Surfeit 1; Surfeit locus protein 1; anti-SURF1 antibody

PRODUCT SPECIFICATIONS

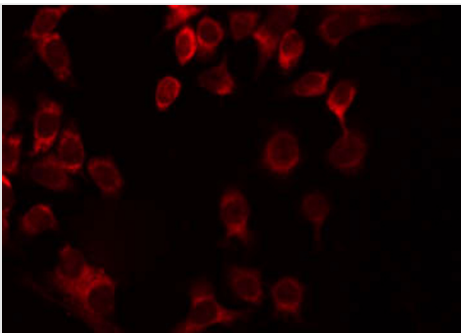
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SURF1 antibody detects endogenous levels of SURF1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	191
Applicable Applications for anti-SURF1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SURF1
Subcellular Location	Mitochondrion Inner Membrane.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis on Jurkat cell lysate using SURF1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321184 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SURF1 antibody

Description: This gene encodes a protein localized to the inner mitochondrial membrane and thought to be involved in the biogenesis of the cytochrome c oxidase complex. The protein is a member of the SURF1 family, which includes the related yeast protein SHY1 and rickettsial protein RP733. The gene is located in the surfeit gene cluster, a group of very tightly linked genes that do not share sequence similarity, where it shares a bidirectional promoter with SURF2 on the opposite strand. Defects in this gene are a cause of Leigh syndrome, a severe neurological disorder that is commonly associated with systemic cytochrome c oxidase deficiency.

Function: Component of the MITRAC (mitochondrial translation regulation assembly intermediate of cytochrome c oxidase complex) complex, that regulates cytochrome c oxidase assembly.

Subunit Structure: Component of the MITRAC (mitochondrial translation regulation assembly intermediate of cytochrome c oxidase complex) complex, the core components of this complex being COA3/MITRAC12 and COX14. Interacts with COA3.

Similarity: Belongs to the SURF1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	526118120
NCBI GeneID	6834
NCBI Accession #	NP_001267716.1
NCBI GenBank Nucleotide #	NM_001280787.1
UniProt Accession #	Q15526; Q5T8T3; Q5T8T4
Molecular Weight	Observed: 30 kDa Predicted: 34 kDa
NCBI Official Full Name	surfeit locus protein 1 isoform 2
NCBI Official Synonym Full Names	SURF1, cytochrome c oxidase assembly factor
NCBI Official Symbol	SURF1
NCBI Official Synonym Symbols	CMT4K
NCBI Protein Information	surfeit locus protein 1
UniProt Protein Name	Surfeit locus protein 1
UniProt Gene Name	SURF1
UniProt Synonym Gene Names	SURF-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/surf1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321184>