SURF1 rabbit monoclonal antibody

Catalog # H00006834-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SURF1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SURF1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SURF1 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — SURF1

Entrez GeneID	6834
GeneBank Accession#	SURF1
Gene Name	SURF1
Gene Alias	-
Gene Description	surfeit 1
Omim ID	185620 256000
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000022473|surfeit locus protein 1

Disease

- Cardiovascular Diseases
- Crohn Disease
- Cytochrome-c Oxidase Deficiency
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Leigh Disease
- Leigh syndrome