

Datasheet for ABIN2788832  
**anti-SURF1 antibody (N-Term)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	SURF1
Binding Specificity:	N-Term
Reactivity:	Human, Cow, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SURF1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Sequence:	GLRAAGLGRA PASAAWRSVL RVSPRPGVAW RPSRCGSSAA EASATKAEDD
Predicted Reactivity:	Cow: 79%, Guinea Pig: 86%, Horse: 86%, Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against SURF1. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	SURF1
Alternative Name:	SURF1 ( <a href="#">SURF1 Products</a> )
Background:	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

## Target Details

the SURF1 family, which includes the related yeast protein SHY1 and rickettsial protein RP733. The gene is located in the surf1 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.

Alias Symbols: -

Protein Interaction Partner: UBC, PTGES3, CHCHD4, SFXN3, NDUFA12, NDUFAF3, SAMM50, FKBP8, UQCRC1, SRSF5, ABCD3, NDUFV2, NDUFS8, NDUFS3, NDUFB8, ABCC1, CYC1, COX15, Protein Size: 300

Molecular Weight: 33 kDa

Gene ID: 6834

NCBI Accession: [NM\\_003172](#), [NP\\_003163](#)

UniProt: [Q15526](#)

Pathways: [Proton Transport](#), [Ribonucleoside Biosynthetic Process](#)

## Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 300 AA

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

