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anti-SURF1 antibody (N-Term)





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 (SURF1 Products)
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

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.
Alter Complexity

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

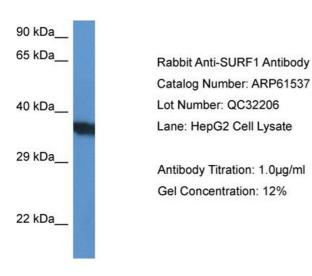
Handling

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



Western Blotting

Image 1.