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anti-SURF1 antibody





Overview

Quantity:	200 μL
Target:	SURF1
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SURF1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

lmmunogen:	Recombinant fusion protein of human SURF1 (NP_003163.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Alternative Name: SURF1 (SURF1 Products)	
Background: This gene encodes a protein localized to the inner mitochondrial membrane and though	t to be
involved in the biogenesis of the cytochrome c oxidase complex. The protein is a memb	er 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 of	o not

Target Details

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.

Gene ID: 6834

UniProt: Q15526

Pathways: Proton Transport, Ribonucleoside Biosynthetic Process

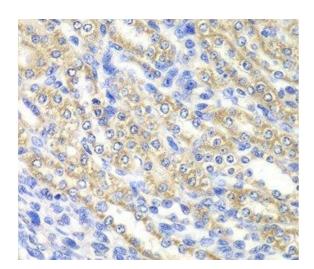
Application Details

Application Notes: IHC 1:50-1:200

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Rat kidney using SURF1 Polyclonal Antibody at dilution of 1:100 (40x lens).