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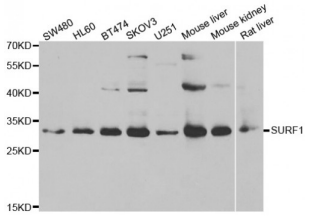
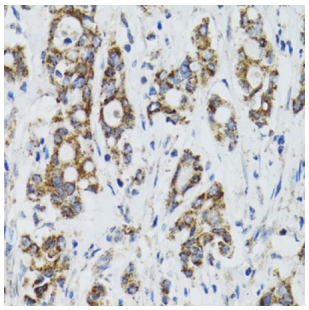
DATASHEET

SURF1, Cytochrome C Oxidase Assembly Factor (SURF1) Antibody

Catalogue No.:abx005182



Western blot analysis of extracts of various cell lines, using SURF1 antibody (abx005182) at 1/1000 dilution.



Immunohistochemistry of paraffin-embedded human colon carcinoma using SURF1 antibody (abx005182) at dilution of 1/100 (40x lens).

SURF1 Antibody is a Rabbit Polyclonal antibody against SURF1. 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.

Target:	SURF1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB, IHC
Recommended dilutions:	WB: 1/500 - 1/2000, IHC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Recombinant protein of human SURF1.
Purification:	Affinity purified.

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Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	Calculated MW: 31 kDa/33 kDa Observed MW: 33 kDa
Swiss Prot:	Q15526
GeneID:	6834
Gene Symbol:	SURF1
Concentration:	2.39 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.