

SURF-1 Polyclonal Antibody

Catalog No: YT4471

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: SURF-1

Gene Name: SURF1

Protein Name: Surfeit locus protein 1

Q15526

P09925

Human Gene ld: 6834

Human Swiss Prot

No:

Mouse Gene ld: 20930

Mouse Swiss Prot

No:

Rat Gene ld: 64463

Rat Swiss Prot No: Q9QXU2

Immunogen: The antiserum was produced against synthesized peptide derived from human

SURF1. AA range:171-220

Specificity: SURF-1 Polyclonal Antibody detects endogenous levels of SURF-1 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not

yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 30kD

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. [provided by RefSeq, Jul 2008],

Function: disease:Defects in SURF1 are a cause of Leigh syndrome (LS) [MIM:256000].

LS is a severe neurological disorder characterized by bilaterally symmetrical necrotic lesions in subcortical brain regions that is commonly associated with systemic cytochrome c oxidase (COX) deficiency.,function:Probably involved in the biogenesis of the COX complex.,similarity:Belongs to the SURF1 family.,

Subcellular Location:

Mitochondrion inner membrane; Multi-pass membrane protein.

Expression: Colon, Kidney, Skin, Stomach,

Sort : 16770

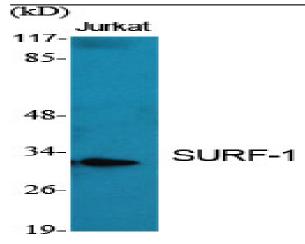
No4:

Host: Rabbit

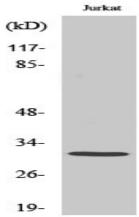
Modifications: Unmodified

Products Images

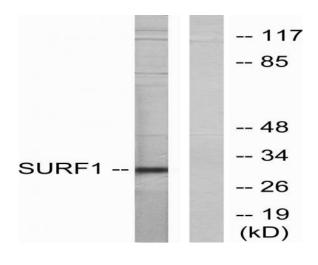
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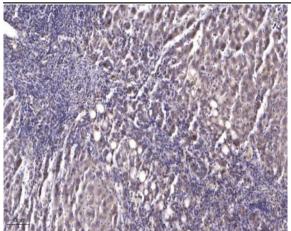
Western Blot analysis of various cells using SURF-1 Polyclonal Antibody



Western Blot analysis of Jurkat cells using SURF-1 Polyclonal Antibody



Western blot analysis of lysates from Jurkat cells, using SURF1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).