

For Research Use Only

# SURF1 Recombinant antibody

Catalog Number: 83052-7-RR



## Basic Information

Catalog Number:

83052-7-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3959

GenBank Accession Number:

BC028314

GeneID (NCBI):

6834

UNIPROT ID:

Q15526

Full Name:

surfeit 1

Calculated MW:

33 kDa

Observed MW:

30-31 kDa

Purification Method:

Protein A purification

CloneNo.:

230210D5

Recommended Dilutions:

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

IF/ICC 1:200-1:800

## Applications

Tested Applications:

IHC, IF/ICC, FC (Intra), IP, ELISA

Species Specificity:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

IP: HeLa cells,

IHC: mouse heart tissue, human liver cancer tissue

IF/ICC: HeLa cells,

## Background Information

### Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

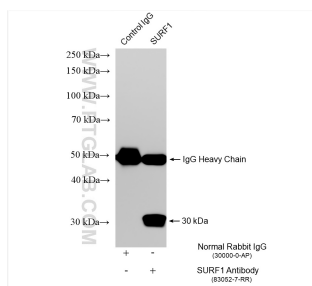
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

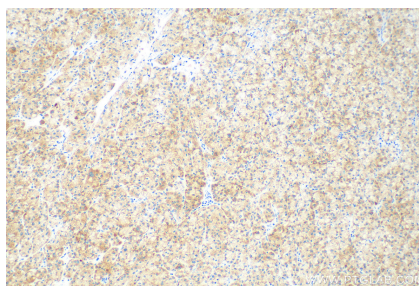
W: [ptgcn.com](http://ptgcn.com)

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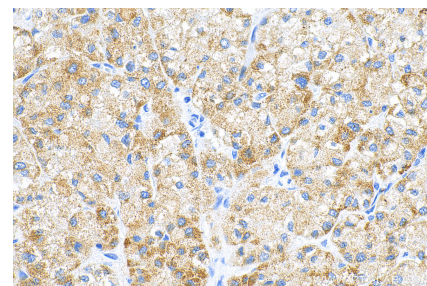
## Selected Validation Data



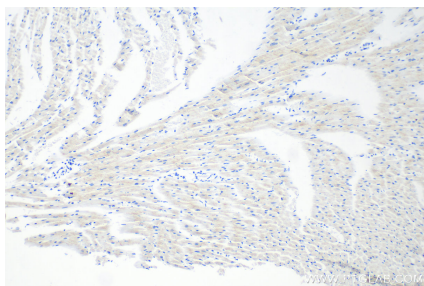
IP result of anti-SURF1 (IP:83052-7-RR, 4ug; Detection:83052-7-RR 1:2000) with HeLa cells lysate 1050 ug.



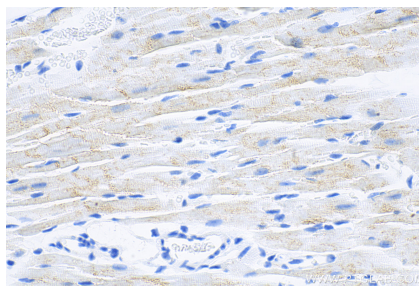
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 83052-7-RR (SURF1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



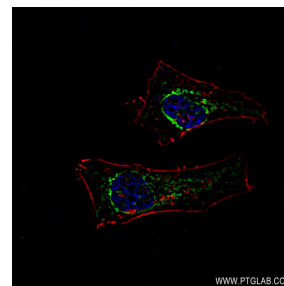
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 83052-7-RR (SURF1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



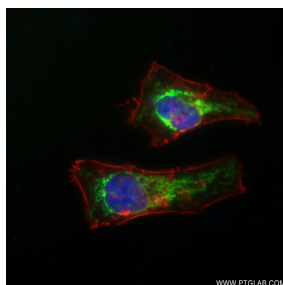
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 83052-7-RR (SURF1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



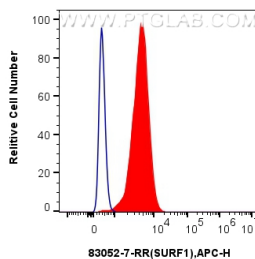
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 83052-7-RR (SURF1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



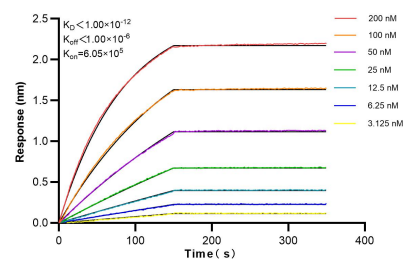
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SURF1 antibody (83052-7-RR, Clone: 230210D5) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SURF1 antibody (83052-7-RR, Clone: 230210D5) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug Anti-Human SURF1 (83052-7-RR, Clone:230210D5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bilayer interferometry (BLI) kinetic assays of 83052-7-RR against Human SURF1 were performed. The affinity constant is below 1 pM.