

U2AF2/U2AF65 Monoclonal antibody

Catalog Number: 68166-1-Ig

1 Publications

Basic Information

Catalog Number:

68166-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG8070

GenBank Accession Number:

BC008740

GeneID (NCBI):

11338

UNIPROT ID:

P26368

Full Name:

U2 small nuclear RNA auxiliary factor

2

Calculated MW:

54 kDa

Observed MW:

60-65 kDa

Purification Method:

Protein A purification

CloneNo.:

1B7E7

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:1000-1:4000

IF/ICC 1:200-1:800

Applications

Tested Applications:

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

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

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:

WB: LNCaP cells, 4T1 cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurket cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

IHC: mouse liver tissue, rat liver tissue

IF/ICC: HEK-293 cells,

Background Information

U2AF2, also named as U2 auxiliary factor 65 kDa subunit, is a 475 amino acid protein, which belongs to the splicing factor SR family. U2AF2 is Necessary for the splicing of pre-mRNA. By recruiting PRPF19 and the PRP19C/Prp19 complex/NTC/Nineteen complex to the RNA polymerase II C-terminal domain (CTD), pre-mRNA may couple transcription to splicing. The calculated molecular weight of U2AF2 is 53 kDa, but modified U2AF2 is about 65 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yanfen Zheng	37816727	Nat Commun	WB

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

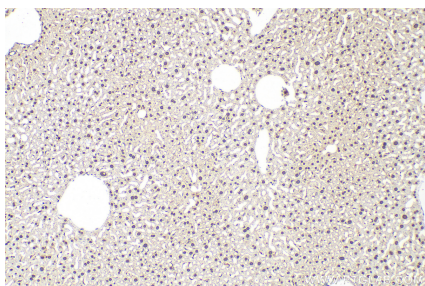
For technical support and original validation data for this product please contact:

T: 4006900926

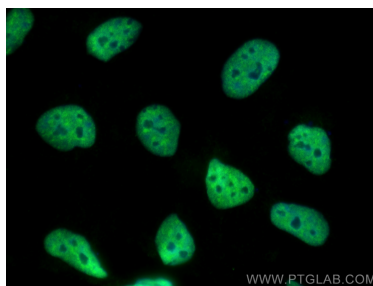
E: Proteintech-CN@ptglab.comW: ptgcn.com

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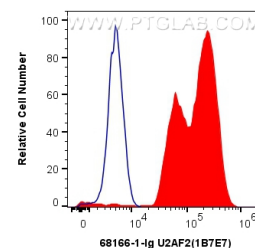
Selected Validation Data



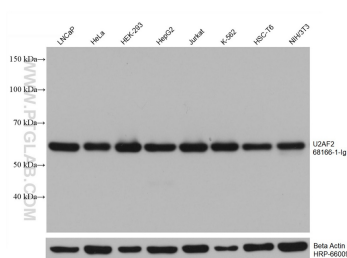
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68166-1-Ig (U2AF2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



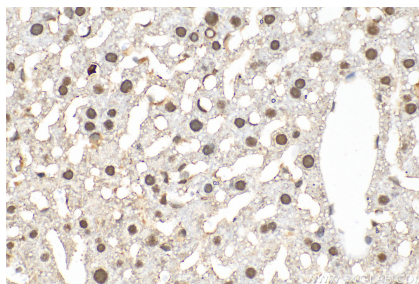
Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using U2AF2 antibody (68166-1-Ig, Clone: 1B7E7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



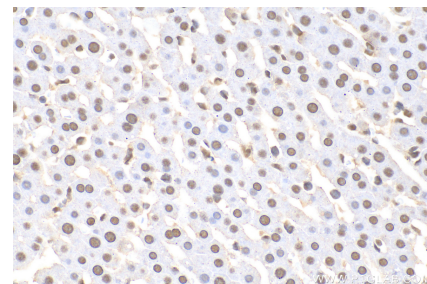
1X10⁶ HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human U2AF2 (68166-1-Ig, Clone: 1B7E7) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



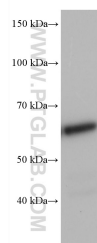
Various lysates were subjected to SDS PAGE followed by western blot with 68166-1-Ig (U2AF2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



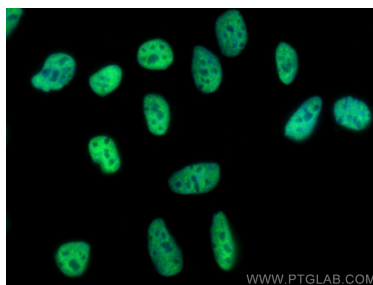
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68166-1-Ig (U2AF2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



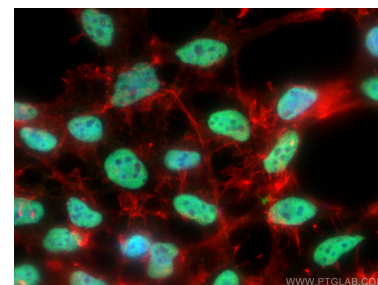
Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 68166-1-Ig (U2AF2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



4T1 cells were subjected to SDS PAGE followed by western blot with 68166-1-Ig (U2AF2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using U2AF2 antibody (68166-1-Ig, Clone: 1B7E7) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using U2AF2 antibody (68166-1-Ig, Clone: 1B7E7) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).