

For Research Use Only

U2AF2/U2AF65 Monoclonal antibody, PBS Only



Catalog Number: 68166-1-PBS

Basic Information

Catalog Number: 68166-1-PBS	GenBank Accession Number: BC008740	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 11338	CloneNo.: 1B7E7
Source: Mouse	UNIPROT ID: P26368	
Isotype: IgG2a	Full Name: U2 small nuclear RNA auxiliary factor 2	
Immunogen Catalog Number: AG8070	Calculated MW: 54 kDa	
	Observed MW: 60-65 kDa	

Applications

Tested Applications:
WB, IF, FC, IHC, Indirect ELISA

Species Specificity:
Human, rat, mouse

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.

Storage

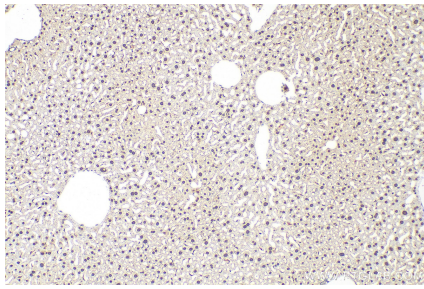
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

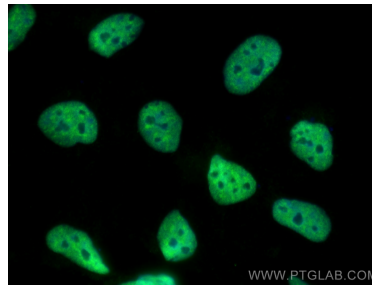
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

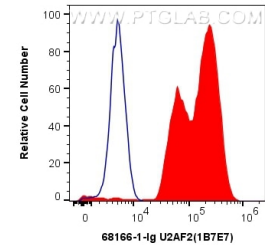
Selected Validation Data



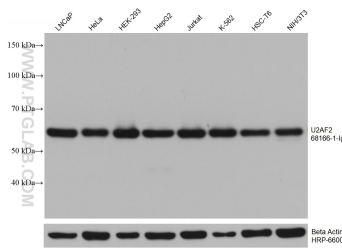
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68166-1-Ig (U2AF2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68166-1-PBS in a different storage buffer formulation.



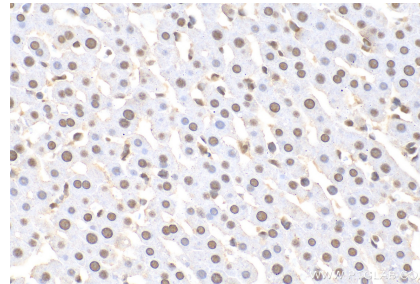
Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using U2AF2 antibody (68166-1-Ig, Clone: 1B7E7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68166-1-PBS in a different storage buffer formulation.



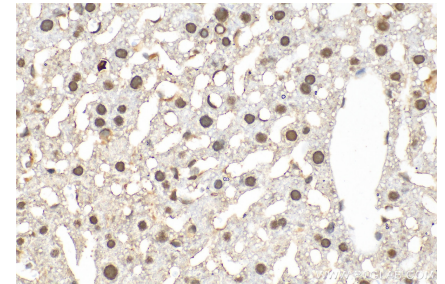
1X10⁶ HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human U2AF2 (68166-1-Ig, Clone:1B7E7) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 68166-1-PBS in a different storage buffer



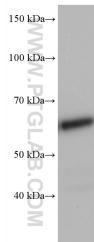
Various lysates were subjected to SDS PAGE followed by western blot with 68166-1-Ig (U2AF2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 68166-1-PBS in a different storage buffer formulation.



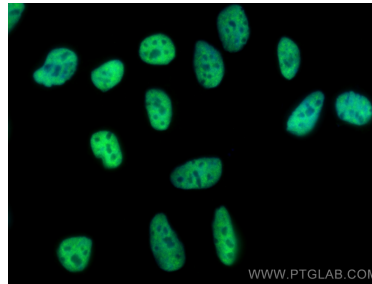
Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 68166-1-Ig (U2AF2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68166-1-PBS in a different storage buffer formulation.



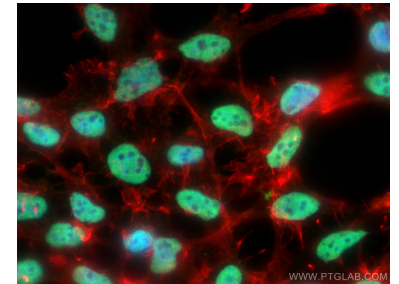
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68166-1-Ig (U2AF2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68166-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 68166-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68166-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68166-1-PBS in a different storage buffer formulation.