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U2AF1 Antibody (Center Y114)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2802d

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q01081
Other Accession	Q9D883, A1A4K8
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB17372
Calculated MW	27872
Antigen Region	99-125

Additional Information

Gene ID	7307
Other Names	Splicing factor U2AF 35 kDa subunit, U2 auxiliary factor 35 kDa subunit, U2 small nuclear RNA auxiliary factor 1, U2 snRNP auxiliary factor small subunit, U2AF1, U2AF35, U2AFBP
Target/Specificity	This U2AF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 99-125 amino acids from the Central region of human U2AF1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	U2AF1 Antibody (Center Y114) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	U2AF1

Synonyms	U2AF35, U2AFBP
Function	Plays a critical role in both constitutive and enhancer- dependent splicing by mediating protein-protein interactions and protein-RNA interactions required for accurate 3'-splice site selection. Recruits U2 snRNP to the branch point. Directly mediates interactions between U2AF2 and proteins bound to the enhancers and thus may function as a bridge between U2AF2 and the enhancer complex to recruit it to the adjacent intron.
Cellular Location	Nucleus. Nucleus speckle

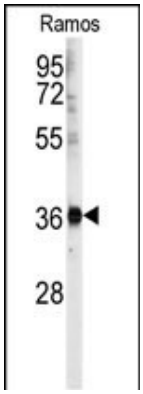
Background

U2AF1 belongs to the splicing factor SR family. U2 auxiliary factor, comprising a large and a small subunit, is a non-snRNP protein required for the binding of U2 snRNP to the pre-mRNA branch site. This gene encodes the small subunit which plays a critical role in both constitutive and enhancer-dependent RNA splicing by directly mediating interactions between the large subunit and proteins bound to the enhancers.

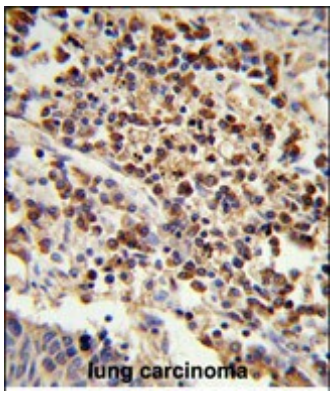
References

Rino,J., Mol. Cell. Biol. 28 (9), 3045-3057 (2008) Little,J.T., J. Biol. Chem. 283 (13), 8145-8152 (2008) Pacheco,T.R., Mol. Cell. Biol. 26 (21), 8183-8190 (2006)

Images

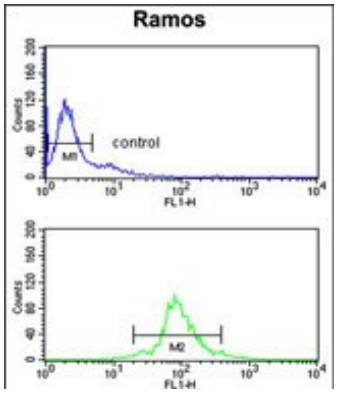


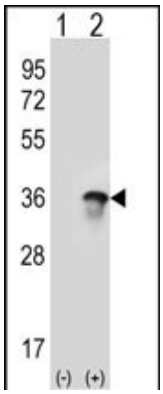
Western blot analysis of anti-U2AF1 Antibody (Center Y114) (Cat.#AP2802d) in Ramos cell line lysates (35ug/lane).U2AF1(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with NRP1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

U2AF1 Antibody (Center Y114) (Cat. #AP2802d) flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.





Western blot analysis of U2AF1 (arrow) using rabbit polyclonal U2AF1 Antibody (Center Y114) (Cat. #AP2802d). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the U2AF1 gene.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.