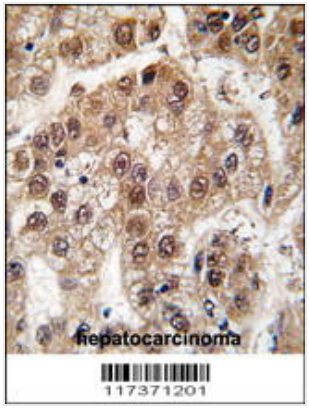
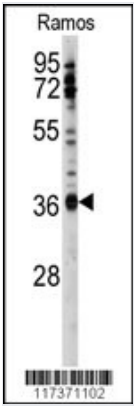
U2AF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

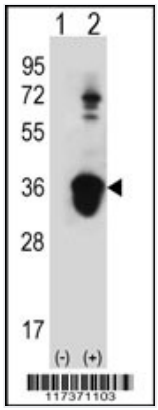
Product Name	U2AF1, Polyclonal Antibody
Full Product Name	U2AF1, ID (S70) (Splicing Factor U2AF 35kD Subunit, U2 Auxiliary Factor 35kD Subunit, U2 snRNP Auxiliary Factor Small Subunit, U2AF35, U2AFBP) (PE)
Product Gene Name	anti-U2AF1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human U2AF1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	19,715 Da
OMIM	191317
3D Structure	ModBase 3D Structure for Q01081
Immunogen	Synthetic peptide selected from the center region of human U2AF1 (KLH).
Conjugate	PE
Note	Preservative Free
Product Categories/Family for anti-U2AF1 antibody	Antibodies; Splicing Factors
Applications Tested/Suitable for anti-U2AF1 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-U2AF1 antibody	IHC: 1:50-1:100 ELISA: 1:1,000 WB: 1:50-1:100 Applications are based on unconjugated antibody.
Related Product Information for anti-U2AF1 antibody	MBS6504341 is an antibody targeting U2AF1. Also known as U2AF1, ID (S70) (Splicing Factor U2AF 35kD Subunit, U2 Auxiliary Factor 35kD Subunit, U2 snRNP Auxiliary Factor Small Subunit, U2AF35, U2AFBP) (PE). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-U2AF1 antibody	1. Rino, J., Mol. Cell. Biol. 28(9), 3045-3057 (2008). 2. Little, J.T., J. Biol. Chem. 283(13), 8145-8152 (2008). 3. Pacheco, T.R., Mol. Cell. Biol. 26(21), 8183-8190 (2006).
Other Notes	Small volumes of anti-U2AF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-U2AF1 antibody
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with U2AF1 antibody (Center S70), 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.



Western Blot (WB) of anti-U2AF1 antibody
Western blot analysis of anti-U2AF1 Antibody (Center S70) in Ramos cell line lysates (35ug/lane).U2AF1(arrow) was detected using the purified Pab.



Western Blot (WB) of anti-U2AF1 antibody
Western blot analysis of U2AF1 (arrow) using rabbit polyclonal U2AF1 Antibody (Center S70). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the U2AF1 gene.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for U2AF1. It may not necessarily be applicable to this product.

NCBI GI #	5803207
NCBI GeneID	7307
NCBI Accession #	NP_006749
UniProt Primary Accession #	Q01081
UniProt Secondary Accession #	Q701P4; Q71RF1
UniProt Related Accession #	Q01081
GenBank Nucleotide #	NM_006758
NCBI Official Full Name	splicing factor U2AF 35 kDa subunit isoform a
NCBI Official Synonym Full Names	U2 small nuclear RNA auxiliary factor 1
NCBI Official Symbol	U2AF1
NCBI Official Synonym Symbols	RN; FP793; U2AF35; U2AFBP; RNU2AF1
UniProt Protein Name	Splicing factor U2AF 35 kDa subunit
UniProt Synonym Protein Names	U2 auxiliary factor 35 kDa subunit; U2 small nuclear RNA auxiliary factor 1; U2 snRNP auxiliary factor small subunit

Protein Family	Splicing factor
UniProt Gene Name	U2AF1
UniProt Synonym Gene Names	U2AF35; U2AFBP
UniProt Entry Name	U2AF1_HUMAN
NCBI Protein Information	splicing factor U2AF 35 kDa subunit; U2 small nuclear RNA auxillary factor 1; U2 small nuclear ribonucleoprotein auxillary factor, 35-KD subunit; U2 snRNP auxiliary factor small subunit; U2(RNU2) small nuclear RNA auxiliary factor binding protein; splicin
UniProt Comments for U2AF1	U2AF1: 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. Belongs to the splicing factor SR family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Spliceosome; RNA splicing; RNA-binding; RNA processing Chromosomal Location of Human Ortholog: 21q22.3 Cellular Component: nucleoplasm; spliceosome; Cajal body; nuclear speck Molecular Function: RS domain binding; protein binding; metal ion binding; nucleotide binding Biological Process: transcription from RNA polymerase II promoter; nuclear mRNA splicing, via spliceosome; mRNA export from nucleus; RNA splicing; gene expression; mRNA 3'-end processing; mRNA processing; termination of RNA polymerase II transcription
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