

Rabbit U2AF1 Polyclonal Antibody | anti-U2AF1 antibody

U2AF1 Antibody

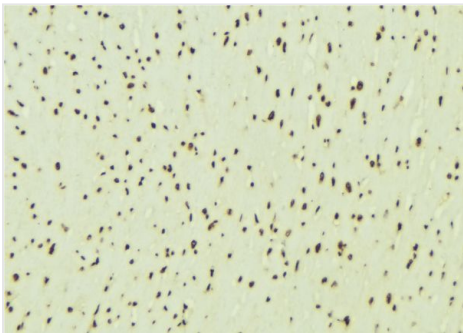
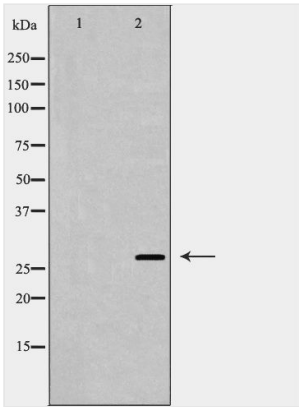
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325976	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

U2AF1; Polyclonal Antibody; U2AF1 Antibody; DKFZp313J1712; FP793; Human U2 snRNP auxiliary factor small subunit9; RN; RNU2AF1; Splicing factor U2AF 35 kDa subunit; U2 auxiliary factor 35 kDa subunit; U2 small nuclear ribonucleoprotein auxillary factor 35 KD subunit; U2 small nuclear RNA auxiliary factor 1; U2 snRNP auxiliary factor small subunit; U2(RNU2) small nuclear RNA auxiliary factor 1; U2(RNU2) small nuclear RNA auxiliary factor binding protein; U2AF1_HUMAN; U2AF35; U2AFBP; anti-U2AF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	U2AF1 antibody detects endogenous levels of total U2AF1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	240
Applicable Applications for anti-U2AF1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human U2AF1
Subcellular Location	Nucleus. Nucleus Speckle.
Predicted Cross Reactivity	Zebrafish, Bovine, Dog, Chicken, Xenopus
Similarity	Zebrafish (80%), Bovine (100%), Dog (80%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA325976 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Hela lysate, using U2AF1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-U2AF1 antibody	Description: U2 auxiliary factor (U2AF), 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. U2 (RNU2) small nuclear RNA auxiliary factor 1 (U2AF1, synonyms: RN, FP793, U2AF35, U2AFBP, RNU2AF1) is 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. The U2AF1 gene is localized to chromosome 21q22.3, which is the critical region for three diseases, progressive myoclonus epilepsy, autoimmune polyglandular disease type 1, and one form of bipolar affective disorder. 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. Subunit Structure: Interacts (via RS domain) with PHF5A (via N-terminus) (By similarity). Identified in the spliceosome C complex. Heterodimer with U2AF2. Interacts with ZRANB2. Similarity: The C-terminal SR-rich domain is required for interactions with SR proteins and the splicing regulators TRA and TRA2, and the N-terminal domain is required for formation of the U2AF1/U2AF2 heterodimer. Belongs to the splicing factor SR family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	68800128
NCBI GeneID	7307
NCBI Accession #	NP_001020374.1
NCBI GenBank Nucleotide #	NM_001025203.1
UniProt Accession #	Q01081; Q701P4; Q71RF1
Molecular Weight	Observed: 28 kDa Predicted: 28 kDa
NCBI Official Full Name	splicing factor U2AF 35 kDa subunit isoform b
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
NCBI Protein Information	splicing factor U2AF 35 kDa subunit
UniProt Protein Name	Splicing factor U2AF 35 kDa subunit

UniProt Gene Name	U2AF1
UniProt Synonym Gene Names	U2AF35; U2AFBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/u2af1-antibody-immunohistochemistry-western-blot-elisa/325976>