

Goat Anti-U2AF1L4 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2128a**Specification**

Goat Anti-U2AF1L4 Antibody - Product Information

Application	WB, E
Primary Accession	Q8WU68
Other Accession	NP_659424 , 199746 , 233073 (mouse) , 361542 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	25744

Goat Anti-U2AF1L4 Antibody - Additional Information**Gene ID** 199746**Other Names**

Splicing factor U2AF 26 kDa subunit, U2 auxiliary factor 26, U2 small nuclear RNA auxiliary factor 1-like protein 4, U2AF1-like 4, U2(RNU2) small nuclear RNA auxiliary factor 1-like protein 3, U2 small nuclear RNA auxiliary factor 1-like protein 3, U2AF1-like protein 3, U2AF1L4, U2AF1-RS3, U2AF1L3

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-U2AF1L4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-U2AF1L4 Antibody - Protein Information**Name** U2AF1L4

Synonyms U2AF1-RS3, U2AF1L3

Function

RNA-binding protein that function as a pre-mRNA splicing factor. 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. Acts by enhancing the binding of U2AF2 to weak pyrimidine tracts. Also participates in the regulation of alternative pre-mRNA splicing. Activates exon 5 skipping of PTPRC during T-cell activation; an event reversed by GFI1. Binds to RNA at the AG dinucleotide at the 3'-splice site (By similarity). Shows a preference for AGC or AGA (By similarity).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q8BGJ9}. Nucleus speckle {ECO:0000250|UniProtKB:Q8BGJ9}. Cytoplasm {ECO:0000250|UniProtKB:Q8BGJ9}. Note=Interaction with C1QBP is required for the nuclear translocation. Displays active nucleo-cytoplasmic shuttling. {ECO:0000250|UniProtKB:Q8BGJ9}

Tissue Location

Isoform 2 is widely expressed. Isoform 3 is highly expressed in heart, brain and lung, lower expressed in thymus and much lower expressed in peripheral blood leukocytes

Goat Anti-U2AF1L4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-U2AF1L4 Antibody - Images



AF2128a (0.1 µg/ml) staining of Human Cerebellum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-U2AF1L4 Antibody - References

Differential isoform expression and interaction with the P32 regulatory protein controls the subcellular localization of the splicing factor U2AF26. Heyd F, et al. J Biol Chem, 2008 Jul 11. PMID 18460468.

Cloning and characterization of a novel splice variant of human Rab18 gene (RAB18). Dou T, et al. DNA Seq, 2005 Jun. PMID 16147880.

Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.

Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.

Characterization of U2AF(6), a splicing factor related to U2AF(35). Shepard J, et al. Mol Cell Biol, 2002 Jan. PMID 11739736.