abcam

Product datasheet

Anti-U2AF1L4 antibody [EPR14349] ab188582

Recombinant RabMAb®

★★★★☆ **1 Abreviews**   5 Images

Overview

Product name	Anti-U2AF1L4 antibody [EPR14349]
Description	Rabbit monoclonal [EPR14349] to U2AF1L4
Host species	Rabbit
Tested applications	**Suitable for:** WB, ICC/IF, Flow Cyt (Intra)
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human fetal brain, Human cerebellum, K562, Mouse brain and PC-12 lysates; U87-MG cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14349
Isotype	IgG

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab188582 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆ (1)	1/1000 - 1/10000. Detects a band of approximately 26 kDa (predicted molecular weight: 26 kDa).
ICC/IF		1/250.
Flow Cyt (Intra)		Use at an assay dependent concentration.

Target

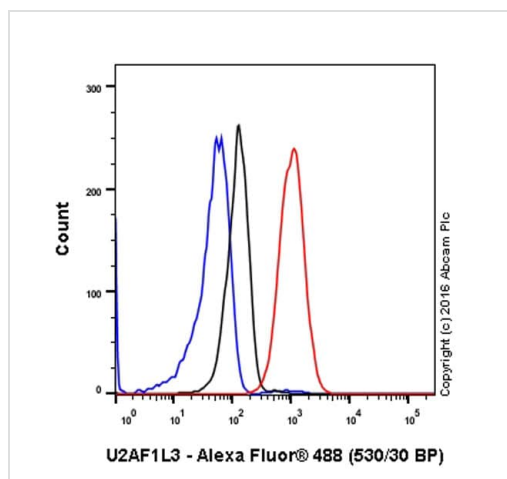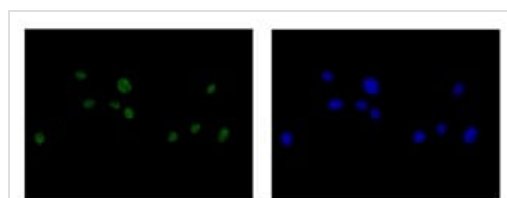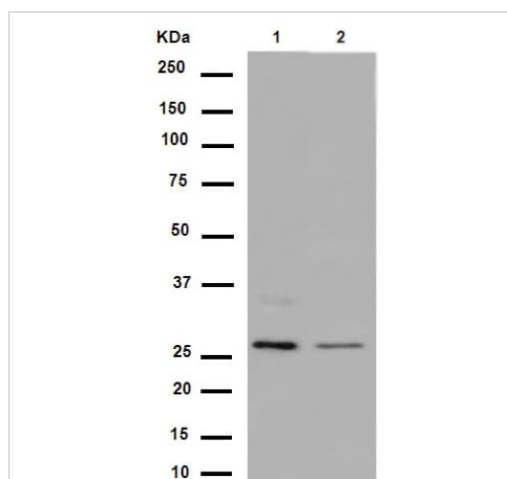|	
Function	RNA-binding protein that function as a pre-mRNA splicing factor. Plays a critical role in both constitutive and enhancer-dependent splicing by mediating protein-protein interactions and protein-RNA interactions required for accurate 3'-splice site selection. Acts by enhancing the binding 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.
Tissue specificity	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.
Sequence similarities	Belongs to the splicing factor SR family. Contains 2 C3H1-type zinc fingers. Contains 1 RRM (RNA recognition motif) domain.
Domain	The second zinc finger in necessary for interaction with GFI1 and for alternative pre-mRNA splicing events.
Cellular localization	Nucleus. Nucleus speckle.

Images

Flow Cytometry (Intracellular) - Anti-U2AF1L4
antibody [EPR14349] (ab188582)

ab188582 staining U2AF1L4 in A549 (human lung carcinoma) by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. The sample was incubated with the primary antibody at a dilution of 1/200. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/2000 was used as the secondary antibody.

Isoytype control: Rabbit monoclonal IgG (Black)

Unlabelled control: Cell without incubation with primary antibody and secondary antibody (Blue)

Immunocytochemistry/ Immunofluorescence - Anti-U2AF1L4 antibody [EPR14349] (ab188582)

Immunofluorescent analysis of paraformaldehyde-fixed U87-MG cells labeling U2AF1L4 with ab188582 at 1/250 followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green) and DAPI staining.

Western blot - Anti-U2AF1L4 antibody [EPR14349] (ab188582)

All lanes : Anti-U2AF1L4 antibody [EPR14349] (ab188582)

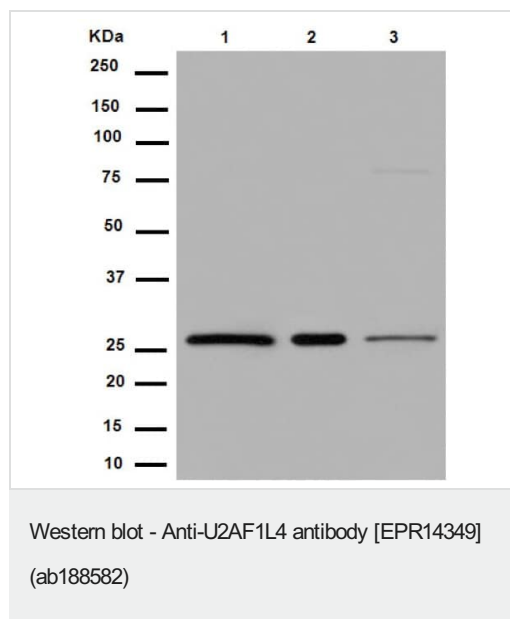**Lane 1 :** Mouse brain lysate
Lane 2 : PC-12 lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 26 kDa
Additional bands at: 26 kDa. We are unsure as to the identity of these extra bands.

Western blot - Anti-U2AF1L4 antibody [EPR14349] (ab188582)

All lanes : Anti-U2AF1L4 antibody [EPR14349] (ab188582) at 1/10000 dilution

Lane 1 : Human fetal brain lysate

Lane 2 : Human cerebellum lysate

Lane 3 : K562 lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 26 kDa

Additional bands at: 26 kDa. We are unsure as to the identity of these extra bands.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-U2AF1L4 antibody [EPR14349] (ab188582)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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