


Product datasheet

Anti-U2AF35/U2AF1 antibody [EPR12649(B)] ab172614

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [5 References](#) [6 Images](#)

Overview

Product name	Anti-U2AF35/U2AF1 antibody [EPR12649(B)]
Description	Rabbit monoclonal [EPR12649(B)] to U2AF35/U2AF1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF, IP Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, 293T, Ramos and NIH 3T3 cell lysates; HeLa cells; Human endometrial carcinoma and Human pancreas tissues.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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), 0.5% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR12649(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab172614 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

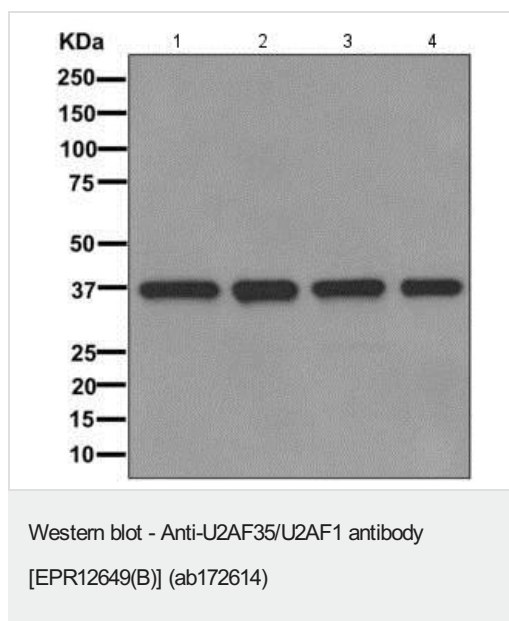
Application	Abreviews	Notes
WB	★★★★★ (1)	1/1000 - 1/5000. Detects a band of approximately 35 kDa (predicted molecular weight: 28 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		1/50 - 1/100.
IP		1/10 - 1/100.

Application notes Is unsuitable for Flow Cyt.

Target

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.
Sequence similarities	Belongs to the splicing factor SR family. Contains 2 C3H1-type zinc fingers. Contains 1 RRM (RNA recognition motif) domain.
Domain	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.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus. Nucleus speckle.

Images



All lanes : Anti-U2AF35/U2AF1 antibody [EPR12649(B)]
(ab172614) at 1/1000 dilution

Lane 1 : HeLa cell lysate

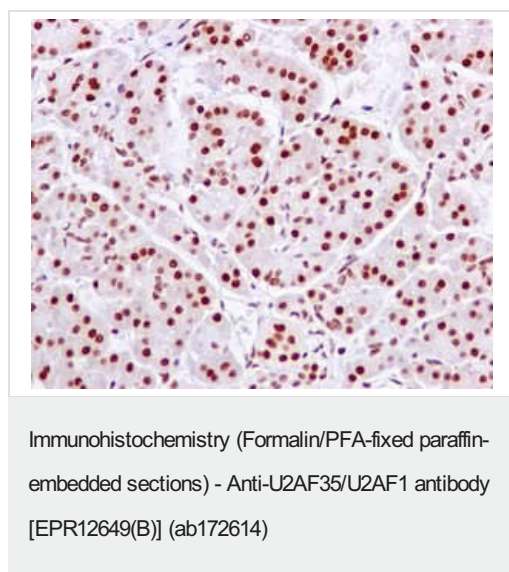
Lane 2 : 293T cell lysate

Lane 3 : NIH/3T3 cell lysate

Lane 4 : Ramos cell lysate

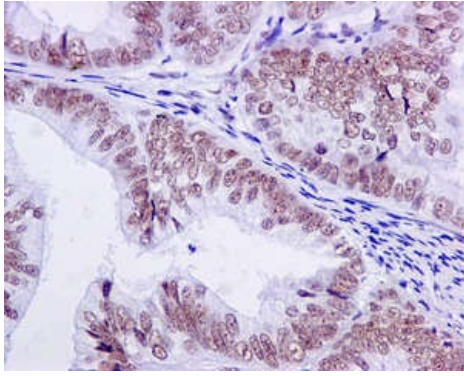
Lysates/proteins at 10 µg per lane.

Predicted band size: 28 kDa



Immunohistochemical analysis of paraffin-embedded Human
pancreas tissue labeling U2AF35/U2AF1 with ab172614 at 1/50
dilution.

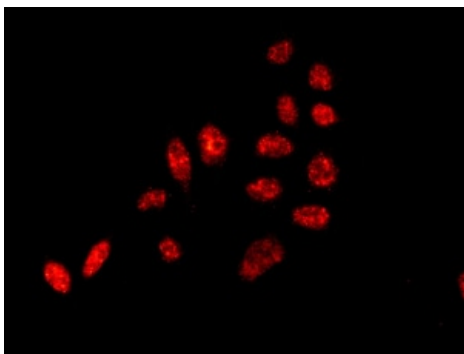
Perform heat mediated antigen retrieval before commencing with
IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-U2AF35/U2AF1 antibody [EPR12649(B)] (ab172614)

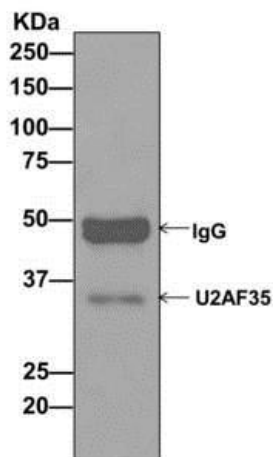
Immunohistochemical analysis of paraffin-embedded Human endometrial carcinoma tissue labeling U2AF35/U2AF1 with ab172614 at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-U2AF35/U2AF1 antibody [EPR12649(B)] (ab172614)

Immunofluorescent analysis of HeLa cells labeling U2AF35/U2AF1 with ab172614 at 1/50 dilution.



Immunoprecipitation - Anti-U2AF35/U2AF1 antibody [EPR12649(B)] (ab172614)

Western blot analysis on immunoprecipitation pellet from HeLa cell lysate immunoprecipitated using ab172614 at 1/10 dilution.

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-U2AF35/U2AF1 antibody [EPR12649(B)]
(ab172614)

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