

Product datasheet

Anti-UBE2I / UBC9 antibody ab227918

3 Images

Overview

Product name	Anti-UBE2I / UBC9 antibody
Description	Rabbit polyclonal to UBE2I / UBC9
Host species	Rabbit
Tested applications	Suitable for: IP, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment within Human UBE2I/ UBC9 (internal sequence). The exact sequence is proprietary. Database link: P63279
Positive control	WB: HEK-293T, A431, HeLa and HepG2 whole cell extracts; Mouse testis tissue extract. IP: HEK-293T whole cell extract.

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: 7.00 Preservative: 0.025% Proclin Constituents: PBS, 20% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab227918** in the following tested applications.

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

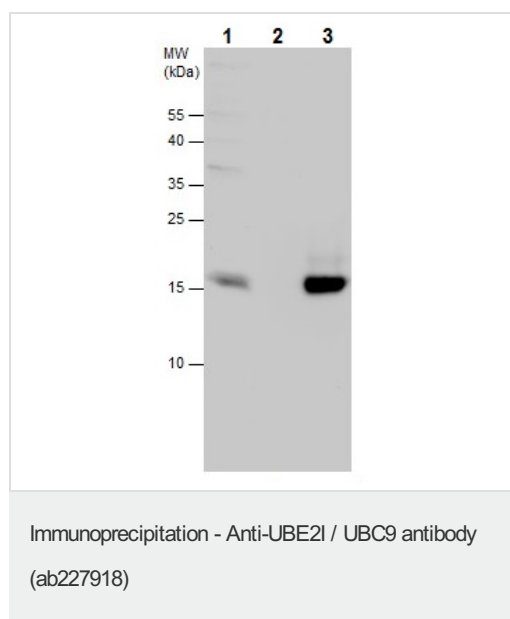
Application	Abreviews	Notes
IP		1/100 - 1/500.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 18 kDa.

Target

Function	Accepts the ubiquitin-like proteins SUMO1, SUMO2, SUMO3 and SUMO4 from the UBLE1A-UBLE1B E1 complex and catalyzes their covalent attachment to other proteins with the help of an E3 ligase such as RANBP2 or CBX4. Necessary for sumoylation of FOXL2 and KAT5. Essential for nuclear architecture and chromosome segregation.
Tissue specificity	Expressed in heart, skeletal muscle, pancreas, kidney, liver, lung, placenta and brain. Also expressed in testis and thymus.
Pathway	Protein modification; protein sumoylation.
Sequence similarities	Belongs to the ubiquitin-conjugating enzyme family.
Cellular localization	Nucleus. Cytoplasm. Mainly nuclear. In spermatocytes, localizes in synaptonemal complexes. Recruited by BCL11A into the nuclear body.

Images

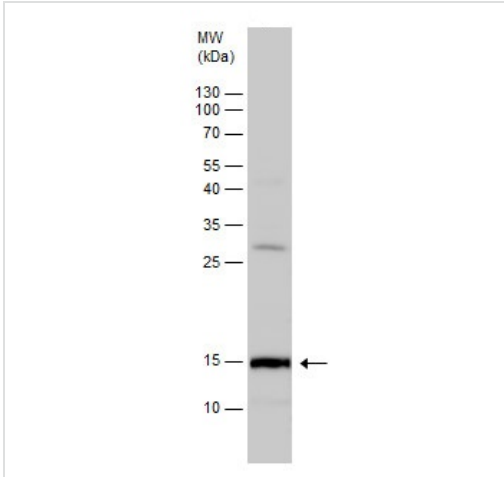


UBE21 / UBC9 was immunoprecipitated from HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell extract using 5 µg of ab227918. Western blot was performed from the immunoprecipitate using ab227918.

Lane 1: HEK-293T whole cell extract.

Lane 2: Control in HEK-293T whole cell extract.

Lane 3: ab227918 in HEK-293T whole cell extract.

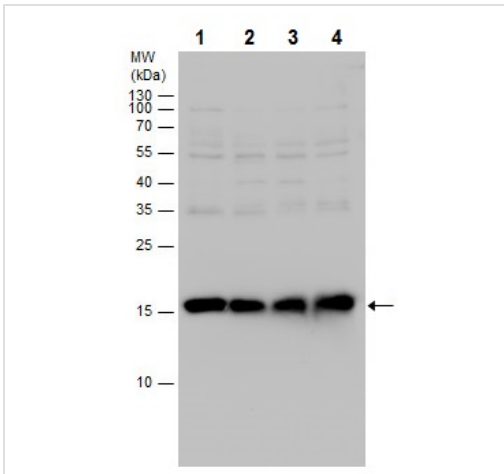


Western blot - Anti-UBE2I / UBC9 antibody
(ab227918)

Anti-UBE2I / UBC9 antibody (ab227918) at 1/1600 dilution +
Mouse testis extract at 50 µg

Predicted band size: 18 kDa

15% SDS-PAGE gel.



Western blot - Anti-UBE2I / UBC9 antibody
(ab227918)

All lanes : Anti-UBE2I / UBC9 antibody (ab227918) at 1/1000
dilution

Lane 1 : HEK-293T (human epithelial cell line from embryonic
kidney transformed with large T antigen) whole cell extract

Lane 2 : A431 (human epidermoid carcinoma cell line) whole cell
extract

Lane 3 : HeLa (human epithelial cell line from cervix
adenocarcinoma) whole cell extract

Lane 4 : HepG2 (human liver hepatocellular carcinoma cell line)
whole cell extract

Lysates/proteins at 30 µg per lane.

Predicted band size: 18 kDa

15% SDS-PAGE gel.

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

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