

Product datasheet

Anti-UFC1 antibody [EPR15014] - BSA and Azide free ab250983

KO VALIDATED Recombinant RabMAb

3 Images

Overview

Product name	Anti-UFC1 antibody [EPR15014] - BSA and Azide free
Description	Rabbit monoclonal [EPR15014] to UFC1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HEK-293T, HAP1, MCF7, and A549 cell lysates.
General notes	ab250983 is the carrier-free version of ab189251 .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Clonality	Monoclonal
Clone number	EPR15014
Isotype	IgG

Applications

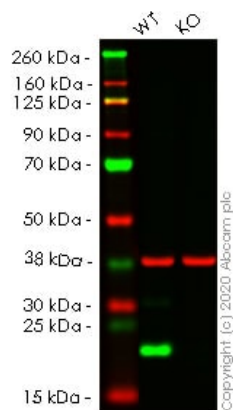
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250983 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 19 kDa (predicted molecular weight: 19 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. For antigen retrieval, heat up to 98 degree C, below boiling, and then let cool for 10-20 minutes.

Target

Function	E2-like enzyme which forms an intermediate with UFM1 via a thioester linkage.
Sequence similarities	Belongs to the ubiquitin-conjugating enzyme family. UFC1 subfamily.

Images



Western blot - Anti-UFC1 antibody [EPR15014] -
BSA and Azide free (ab250983)

All lanes : Anti-UFC1 antibody [EPR15014] (**ab189251**) at
1/10000 dilution

Lane 1 : Wild-type HEK-293T cell lysate

Lane 2 : UFC1 knockout HEK-293T cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

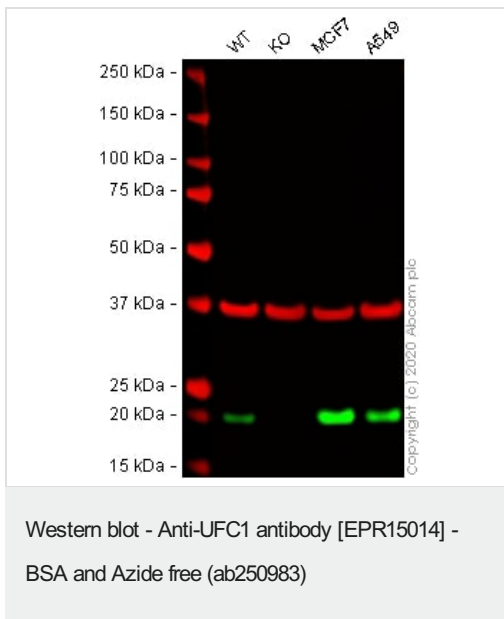
Predicted band size: 19 kDa

Observed band size: 20 kDa

This data was developed using the same antibody clone in a
different buffer formulation (**ab189251**).

Lanes 1- 2: Merged signal (red and green). Green - **ab189251**
observed at 20 kDa. Red - Anti-GAPDH antibody [6C5] - Loading
Control (**ab8245**) observed at 37 kDa.

ab189251 was shown to react with UFC1 in wild-type HEK-293T
cells in western blot. Loss of signal was observed when knockout
cell line **ab266814** (knockout cell lysate **ab257781**) was used. Wild-
type HEK-293T and UFC1 HEK-293T KO cell lysates were
subjected to SDS-PAGE. Membrane was blocked for 1 hour at
room temperature in 0.1% TBST with 3% non-fat dried milk.
ab189251 and Anti-GAPDH antibody [6C5] - Loading Control
(**ab8245**) overnight at 4°C at a 1 in 10000 dilution and a 1 in 20000
dilution respectively. Blots were developed with Goat anti-Rabbit
IgG H&L (IRDye®800CW) preadsorbed (**ab216773**) and Goat anti-
Mouse IgG H&L (IRDye®680RD) preadsorbed (**ab216776**)
secondary antibodies at 1 in 20000 dilution for 1 hour at room
temperature before imaging.



All lanes : Anti-UFC1 antibody [EPR15014] ([ab189251](#)) at 1/10000 dilution

Lane 1 : Wild-type HAP1 cell lysate

Lane 2 : UFC1 knockout HAP1 cell lysate

Lane 3 : MCF7 cell lysate

Lane 4 : A549 cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 19 kDa

Observed band size: 20 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab189251](#)).

Lanes 1 - 4: Merged signal (red and green). Green - [ab189251](#) observed at 20 kDa. Red - loading control, [ab8245](#) (Mouse anti-GAPDH antibody [6C5]) observed at 37kDa.

[ab189251](#) was shown to react with UFC1 in wild-type HAP1 cells in western blot. Loss of signal was observed when UFC1 knockout sample was used. Wild-type HAP1 and UFC1 knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3% milk in TBS-T (0.1% Tween®) before incubation with [ab189251](#) and [ab8245](#) (Mouse anti-GAPDH antibody [6C5]) overnight at 4°C at a 1 in 10000 dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

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-UFC1 antibody [EPR15014] - BSA and Azide free (ab250983)

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

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- Extensive multi-media technical resources to help you
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