

Product datasheet

Anti-UBXN6/UBXD1 antibody [2F8-24] ab81555

KO VALIDATED

[2 Images](#)

Overview

Product name	Anti-UBXN6/UBXD1 antibody [2F8-24]
Description	Mouse monoclonal [2F8-24] to UBXN6/UBXD1
Host species	Mouse
Specificity	Only detects the full-length isoform.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human UBXN6/UBXD1.
Positive control	WB: HEK293T, HeLa and U20S cell lysate
General notes	This product was previously labelled as UBXN6

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium azide Constituents: 0.1% BSA, 0.5% PBS, 50% Glycerol
Purity	Protein A purified
Clonality	Monoclonal
Clone number	2F8-24
Isotype	IgG1

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab81555 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 a concentration of 1 µg/ml. Predicted molecular weight: 50 kDa.

Target

Function

Acts in a complex with VCP and cooperates with USP7 in promoting MDM2 deubiquitination and stabilization. MDM2 stabilization leads to MDM2-dependent TP53 degradation.

Tissue specificity

Enhanced expression in testis.

Sequence similarities

Contains 1 PUB (PUG) domain.
Contains 1 UBX domain.

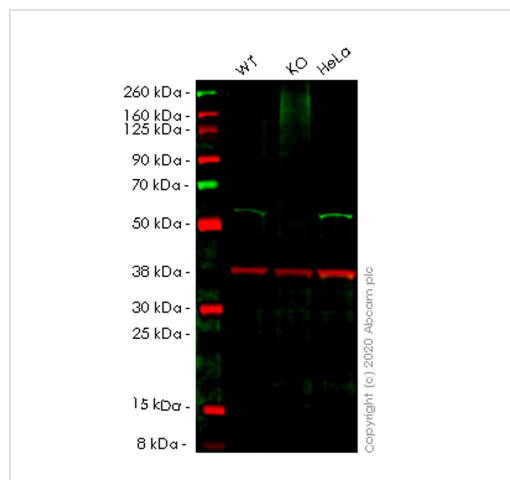
Domain

The UBX domain lacks key residues critical for VCP binding.

Cellular localization

Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome.
Localizes at the centrosome both in interphase and during mitosis.

Images



Western blot - Anti-UBXN6/UBXD1 antibody [2F8-24] (ab81555)

All lanes : Anti-UBXN6/UBXD1 antibody [2F8-24] (ab81555) at 1/500 dilution

Lane 1 : Wild-type HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 2 : UBXN6 knockout HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 3 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

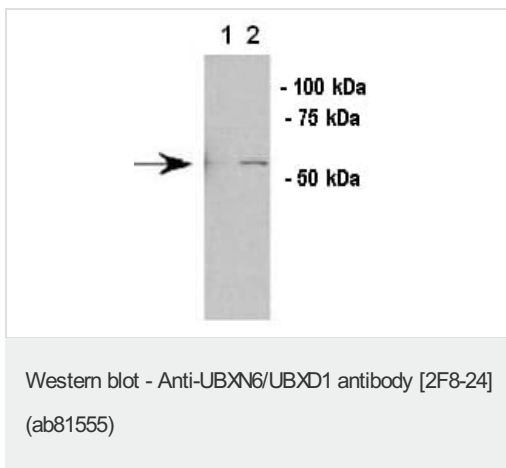
All lanes : Goat Anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed ([ab216777](#)) at 1/10000 dilution

Predicted band size: 50 kDa

Observed band size: 50 kDa

Lanes 1-3: Merged signal (red and green). Green - ab81555 observed at 50 kDa. Red - loading control ab181602 observed at 36 kDa.

ab81555 Anti-UBXN6/UBXD1 antibody [2F8-24] was shown to specifically react with UBXN6/UBXD1 in wild-type HEK-293T cells. Loss of signal was observed when knockout cell line ab266689 (knockout cell lysate ab258747) was used. Wild-type and UBXN6/UBXD1 knockout samples were subjected to SDS-PAGE. ab81555 and Anti-GAPDH antibody[EPR16891] - Loading Control (ab181602) were incubated at room temperature for 2.5 hours at 1 in 500 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed (ab216777) and Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed (ab216772) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



All lanes : Anti-UBXN6/UBXD1 antibody [2F8-24] (ab81555) at 1 µg/ml

Lane 1 : U20S cells transfected with UBXN6/UBXD1 shRNA

Lane 2 : U20S cells transfected with mismatch control shRNA

Predicted band size: 50 kDa

Observed band size: 54 kDa

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

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