

Anti-USP39 antibody - N-terminal ab236453

4 Images

Overview

Product name	Anti-USP39 antibody - N-terminal
Description	Rabbit polyclonal to USP39 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, Flow Cyt, IP
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Human USP39 (N terminal). The exact sequence is proprietary. Database link: Q53GS9
Positive control	WB: U-2 OS siCtrl lysate. IP: U-2 OS cell lysate. Flow: U-2 OS cells. ICC/IF: Flag -USP39 transfected U-2 OS cells.
General notes	<p>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.</p> <p>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</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	Preservative: 0.1% Sodium azide
Purity	Whole antiserum
Purification notes	Crude serum containing sodium azide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab236453 in the following tested applications.

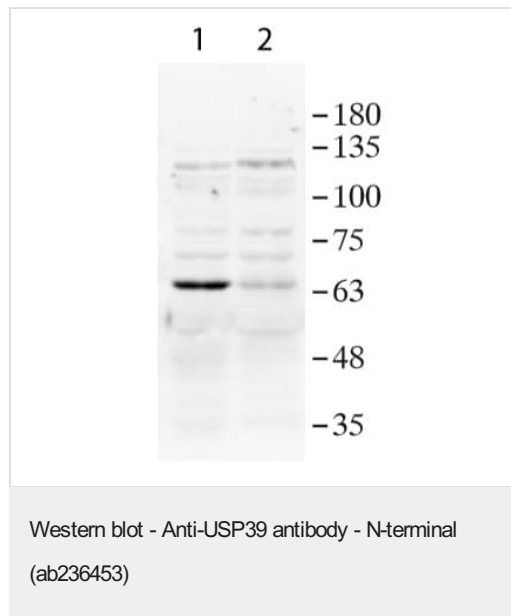
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000. Predicted molecular weight: 65 kDa.
ICC/IF		1/2000.
Flow Cyt		1/200.
IP		Use at an assay dependent concentration. Use 3 µl to ~400 µg of extract

Target

Function	May play a role in mRNA splicing. It is unsure if the protein really exhibits hydrolase activity. Could be a competitor of ubiquitin C-terminal hydrolases (UCHs).
Sequence similarities	Belongs to the peptidase C19 family. Contains 1 UBP-type zinc finger.
Cellular localization	Nucleus.

Images



All lanes : Anti-USP39 antibody - N-terminal (ab236453) at 1/2000 dilution

Lane 1 : U-2 OS (human bone osteosarcoma epithelial cell line) siCtrl

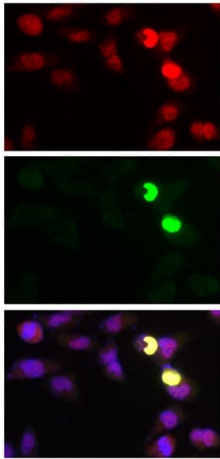
Lane 2 : U-2 OS (human bone osteosarcoma epithelial cell line) siUSP39

Lysates/proteins at 40 µg per lane.

Predicted band size: 65 kDa

Block: TBS-T 5% milk. Incubated overnight with primary antibody.

Treated with control or USP39 siRNA to show specificity.



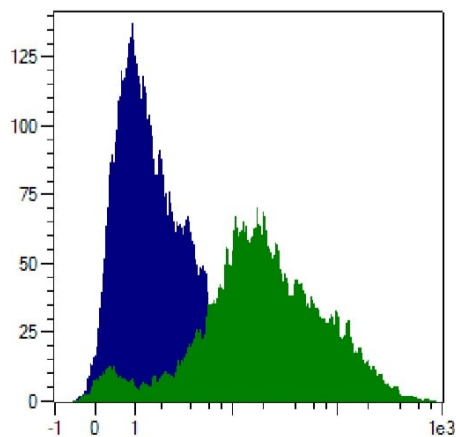
Immunocytochemistry/ Immunofluorescence - Anti-USP39 antibody - N-terminal (ab236453)

Top panel: Flag -USP39 transfected U-2 OS (human bone osteosarcoma epithelial cell line) cells stained for USP39 using ab236453 at a dilution of 1/2000 in ICC/IF.

Middle panel: Anti-Flag.

Bottom panel: Merged (+ DAPI) image.

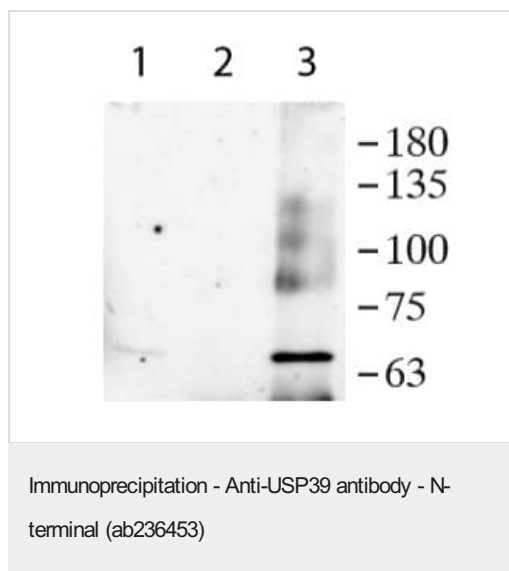
Cells were fixed using 2% PFA. Incubated with primary antibody overnight at +4°C.



Flow Cytometry - Anti-USP39 antibody - N-terminal (ab236453)

Flow Cytometry analysis of U-2 OS (Human bone osteosarcoma epithelial cell line) cells, labeling USP39 with ab236453 at a 1/200 dilution (green) compared to a negative control (no primary antibody) (blue).

Cells were fixed in PFA 1% for 10 minutes, permeabilized with Triton X-100 and incubated with the primary antibody overnight.



USP39 was immunoprecipitated from U-2 OS (Human bone osteosarcoma epithelial cell line) whole cell lysate using 3 μ l of ab236453.

Lane 1: U-2 OS whole cell lysate (Input).

Lane 2: Control IgG in U-2 OS whole cell lysate.

Lane 3: ab236453 in U-2 OS whole cell lysate.

For western blotting ab236453 was used at a 1/2000 dilution.

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

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