


Product datasheet

Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - N-terminal ab182155

KO VALIDATED Recombinant RabMAB

6 Images

Overview

Product name	Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - N-terminal
Description	Rabbit monoclonal [EPR14325-50] to Nucleoside triphosphate phosphohydrolase - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HEK293T, U87-MG, Jurkat, A549 cell lysates. ICC: U87-MG and A549 cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR14325-50

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab182155 in the following tested applications.

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

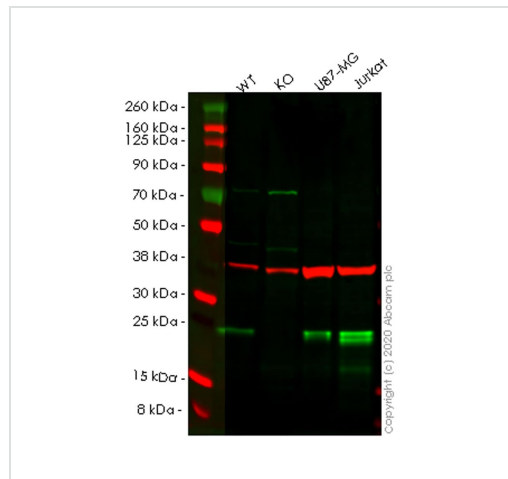
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa).
ICC/IF		1/100.
IP		1/50.

Target

Relevance

Nucleoside triphosphate phosphohydrolase (Chromosome 1 open reading frame 57) belongs to the UPF0334 family. The function of C1orf57 is unknown.

Images



Western blot - Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - N-terminal (ab182155)

All lanes : Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - N-terminal (ab182155) at 1/1000 dilution

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

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

Lane 3 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) whole cell lysate

Lane 4 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

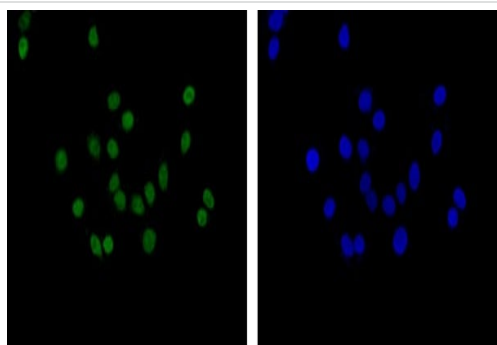
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 21 kDa

Observed band size: 21 kDa

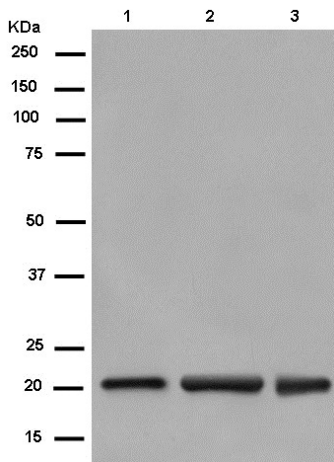
Lanes 1-4: Merged signal (red and green). Green - ab182155 observed at 21 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab182155 Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - N-terminal was shown to specifically react with Nucleoside triphosphate phosphohydrolase in wild-type HEK-293T cells. Loss of signal was observed when knockout cell line **ab266397** (knockout cell lysate **ab258083**) was used. Wild-type and Nucleoside triphosphate phosphohydrolase knockout samples were subjected to SDS-PAGE. ab182155 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 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.



Immunocytochemistry/ Immunofluorescence - Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - N-terminal (ab182155)

Immunofluorescence analysis of A549 cells, staining Nucleoside triphosphate phosphohydrolase (green) with ab182155 at 1/100 dilution. An Alexa Fluor®488-conjugated goat anti rabbit IgG was used as a secondary antibody. Nuclei were counterstained with DAPI (blue).



Western blot - Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - N-terminal (ab182155)

All lanes : Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - N-terminal (ab182155) at 1/20000 dilution

Lane 1 : U87-MG cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : A549 cell lysate

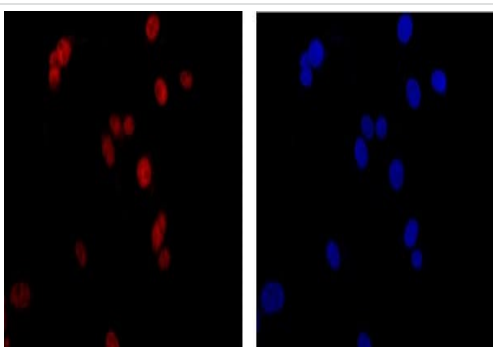
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

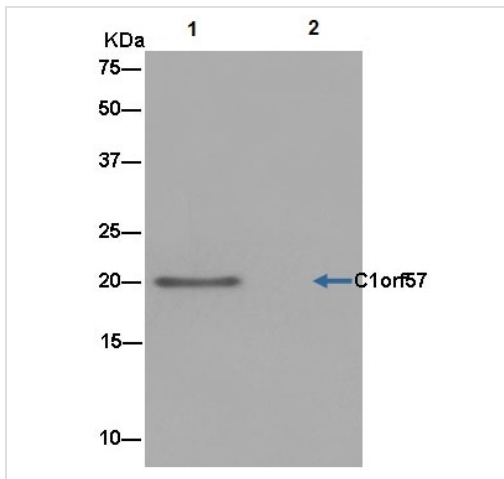
Predicted band size: 21 kDa

Observed band size: 21 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - N-terminal (ab182155)





Immunofluorescence analysis of U87-MG cells, staining Nucleoside triphosphate phosphohydrolase (red) with ab182155 at 1/100 dilution. An Alexa Fluor®555-conjugated goat anti rabbit IgG was used as a secondary antibody. Nuclei were counterstained with DAPI (blue).



Western blot analysis on immunoprecipitation pellet from Jurkat cell lysate (lane 1) or negative control (lane 2), labeling Nucleoside triphosphate phosphohydrolase immunoprecipitated using ab182155 at 1/50 dilution and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

Immunoprecipitation - Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - N-terminal (ab182155)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - N-terminal (ab182155)

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

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