

Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325] ab182154

KO VALIDATED Recombinant RabMAb

5 Images

Overview

Product name	Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325]
Description	Rabbit monoclonal [EPR14325] to Nucleoside triphosphate phosphohydrolase
Host species	Rabbit
Tested applications	Suitable for: WB, IP, Flow Cyt (Intra)
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HEK-293T, U87-MG and Jurkat cell lysates. Flow Cyt (intra): Jurkat cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA</p>
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR14325
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab182154 in the following tested applications.

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

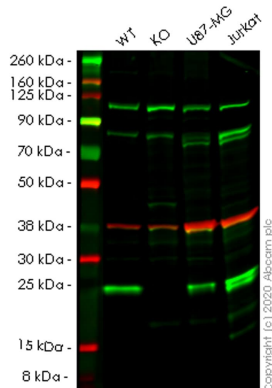
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa).
IP		1/20.
Flow Cyt (Intra)		1/230. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

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] (ab182154)

All lanes : Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325] (ab182154) 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

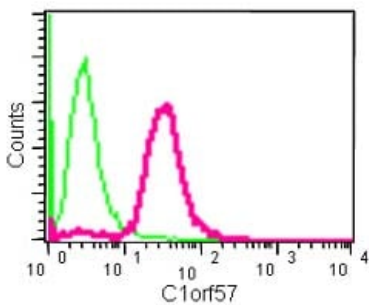
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 21 kDa

Observed band size: 21 kDa

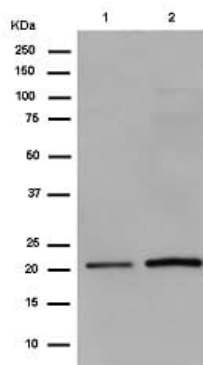
Lanes 1-4: Merged signal (red and green). Green - ab182154 observed at 21 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab182154 Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325] 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. ab182154 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.



Flow Cytometry (Intracellular) - Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325] (ab182154)

Intracellular flow cytometric analysis of Jurkat cells (paraformaldehyde-fixed, 2%) labeling Nucleoside triphosphate phosphohydrolase with ab182154 at 1/230 dilution (red) or a rabbit IgG (negative) (green), followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.



Western blot - Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325] (ab182154)

All lanes : Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325] (ab182154) at 1/2000 dilution

Lane 1 : U87-MG cell lysate

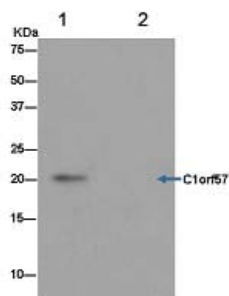
Lane 2 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 21 kDa



Immunoprecipitation - Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325] (ab182154)

Western blot analysis of immunoprecipitation pellet from U87-MG cell lysate immunoprecipitated using ab182154 at 1/20 dilution. Secondary: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

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-Nucleoside triphosphate phosphohydrolase
antibody [EPR14325] (ab182154)

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

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