


Product datasheet

Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - BSA and Azide free ab250597

KO VALIDATED Recombinant RabMAb

6 Images

Overview

Product name	Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - BSA and Azide free
Description	Rabbit monoclonal [EPR14325-50] to Nucleoside triphosphate phosphohydrolase - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IP, ICC/IF, WB
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/IF: U87-MG and A549 cells.
General notes	<p>ab250597 is the carrier-free version of ab182155.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <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</p>

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
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR14325-50
Isotype	IgG

Applications

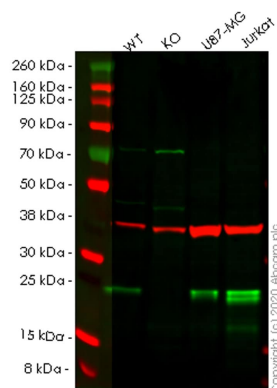
The Abpromise guarantee Our [**Abpromise guarantee**](#) covers the use of ab250597 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa).

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] - BSA and Azide free (ab250597)

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

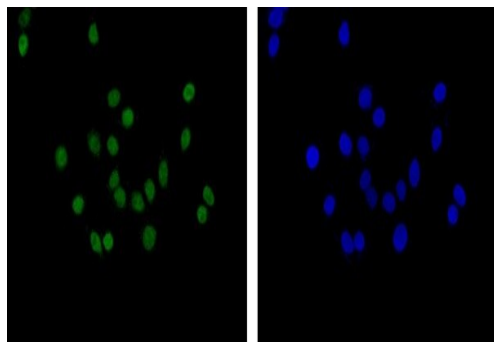
Observed band size: 21 kDa

This data was developed using [ab182155](#), the same antibody clone in a different buffer formulation.

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

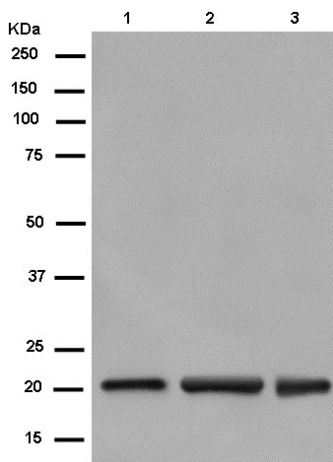
[ab182155](#) Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - N-terminal was shown to specifically react with Nucleoside triphosphate phosphohydrolase in wild-type HEK-293T cells. Loss of signal was observed when knockout cell line [ab266397](#) (knockout cell lysate [ab258083](#)) 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] - BSA and Azide free ([ab250597](#))

This data was developed using [ab182155](#), the same antibody clone in a different buffer formulation. 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] - BSA and Azide free ([ab250597](#))

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.

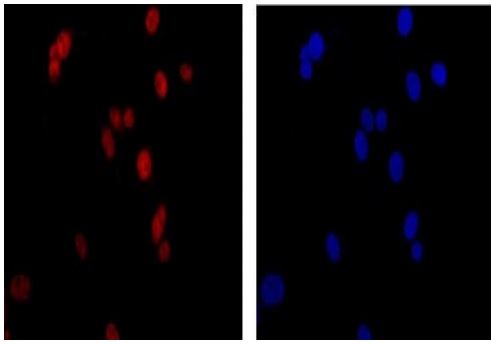
Secondary

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

Predicted band size: 21 kDa

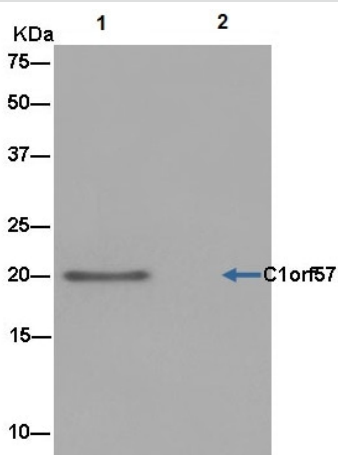
Observed band size: 21 kDa

This data was developed using [ab182155](#), the same antibody clone in a different buffer formulation.



Immunocytochemistry/ Immunofluorescence - Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - BSA and Azide free (ab250597)

This data was developed using **ab182155**, the same antibody clone in a different buffer formulation. 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).



Immunoprecipitation - Anti-Nucleoside triphosphate phosphohydrolase antibody [EPR14325-50] - BSA and Azide free (ab250597)

This data was developed using **ab182155**, the same antibody clone in a different buffer formulation. 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.

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 [EPR14325-50] - BSA and Azide free
(ab250597)

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

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