


Product datasheet

Anti-ARF1+ARF3 antibody [EP442Y] - BSA and Azide free ab247266

Recombinant RabMAb

6 Images

Overview

Product name	Anti-ARF1+ARF3 antibody [EP442Y] - BSA and Azide free
Description	Rabbit monoclonal [EP442Y] to ARF1+ARF3 - BSA and Azide free
Host species	Rabbit
Specificity	The immunogen used for this product shares 100% homology with ARF3, ARF4 and ARF5. Cross-reactivity with the latter two protein have not been confirmed experimentally.
Tested applications	Suitable for: IHC-P, ICC/IF, WB, Flow Cyt (Intra) Unsuitable for: IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab247266 is the carrier-free version of ab32524.</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>

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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP442Y
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab247266 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

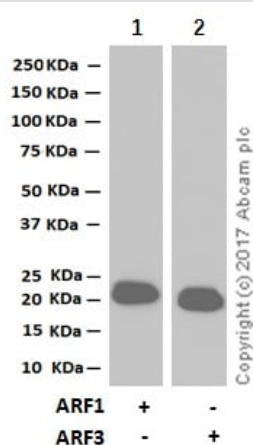
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 20 kDa (predicted molecular weight: 21 kDa).
Flow Cyt (Intra)		Use at an assay dependent concentration.

Application notes Is unsuitable for IP.

Target

Cellular localization ARF1: Golgi apparatus. Cytoplasm > perinuclear region. ARF3: Golgi apparatus. Cytoplasm > perinuclear region.

Images



Western blot - Anti-ARF1+ARF3 antibody [EP442Y]
- BSA and Azide free (ab247266)

All lanes : Anti-ARF1 + ARF3 antibody [EP442Y] (**ab32524**) at 1/20000 dilution

Lane 1 : Full length human ARF-1 recombinant protein

Lane 2 : Full length human ARF-3 recombinant protein

Lysates/proteins at 0.015 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 21 kDa

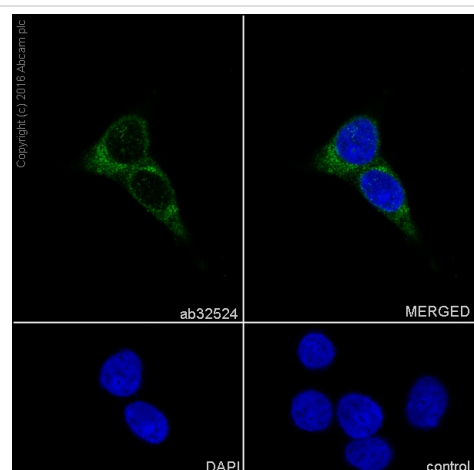
Observed band size: 23 kDa

Exposure time: 3 minutes

This data was developed using **ab32524**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFD/MTBST.

Human ARF-1 recombinant protein (**ab123538**), Human ARF-3 recombinant protein (**ab113581**).



Immunocytochemistry/ Immunofluorescence - Anti-ARF1+ARF3 antibody [EP442Y] - BSA and Azide free (ab247266)

This data was developed using **ab32524**, the same antibody clone in a different buffer formulation. Immunofluorescence staining of MCF7 cells with purified **ab32524** working dilution of 1/500, counter-stained with DAPI. The secondary antibody was an Alexa Fluor® 488 conjugated goat anti-rabbit (**ab150077**), used at a dilution of 1/1000. The cells were fixed in 100% methanol. The negative control is shown in bottom right hand panel - for the negative control, PBS was used instead of the primary antibody.



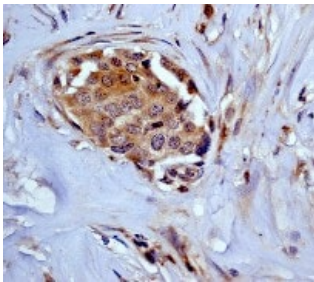
Western blot - Anti-ARF1+ARF3 antibody [EP442Y]
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Anti-ARF1 + ARF3 antibody [EP442Y] ([ab32524](#)) at 1/2000 dilution
+ HEK-293 cell lysate

Predicted band size: 21 kDa

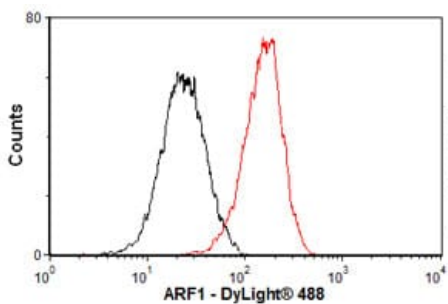
Observed band size: 20 kDa

This data was developed using [ab32524](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARF1+ARF3 antibody [EP442Y] - BSA and Azide free (ab247266)

This data was developed using [ab32524](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded human breast carcinoma using [ab32524](#) at 1/250 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-ARF1+ARF3 antibody [EP442Y] - BSA and Azide free (ab247266)

This data was developed using [ab32524](#), the same antibody clone in a different buffer formulation. Overlay histogram showing HeLa cells stained with [ab32524](#) (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody ([ab32524](#), 1/100 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) ([ab96899](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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-ARF1+ARF3 antibody [EP442Y] - BSA and Azide free (ab247266)

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

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