

Product datasheet

Anti-ARF1 + ARF3 antibody [EP442Y] ab32524

Recombinant RabMAb

[7 References](#) [6 Images](#)

Overview

Product name	Anti-ARF1 + ARF3 antibody [EP442Y]
Description	Rabbit monoclonal [EP442Y] to ARF1 + ARF3
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: Flow Cyt (Intra), WB, IHC-P, ICC/IF Unsuitable for: IP
Species reactivity	Reacts with: Human, Recombinant fragment Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human ARF1 aa 50-150. The exact sequence is proprietary.
Positive control	HEK-293 cell lysates and human breast carcinoma tissue.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EP442Y
 Isotype IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab32524 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

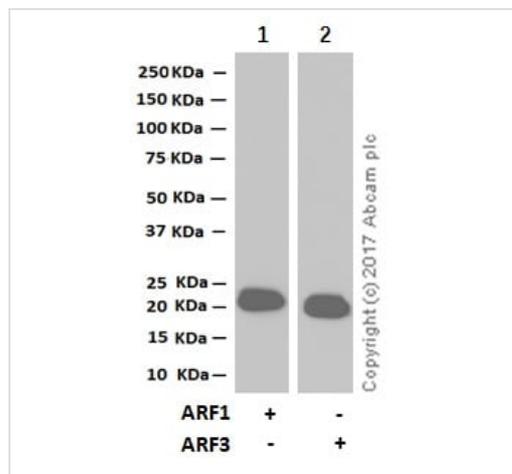
Application	Abreviews	Notes
Flow Cyt (Intra)		1/80. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/2000. Detects a band of approximately 20 kDa (predicted molecular weight: 21 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/500.

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] (ab32524)

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

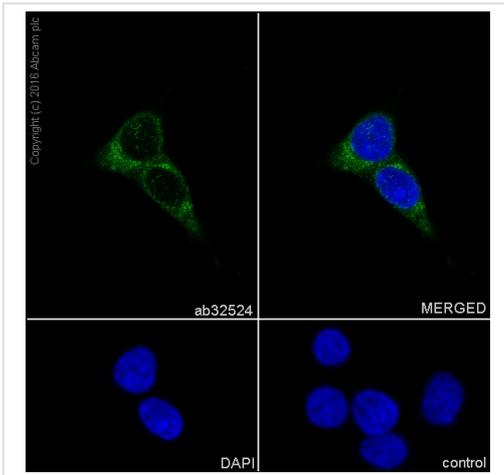
Observed band size: 23 kDa

Exposure time: 3 minutes

Blocking and diluting buffer: 5% NFDN/TBST

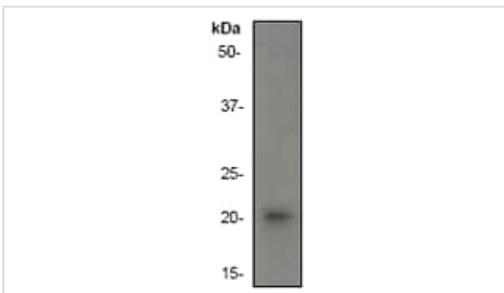
Human ARF-1 recombinant protein, (Cat#:ab123538)

Human ARF-3 recombinant protein, (Cat#:ab113581)



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.

Immunocytochemistry/ Immunofluorescence - Anti-ARF1 + ARF3 antibody [EP442Y] (ab32524)

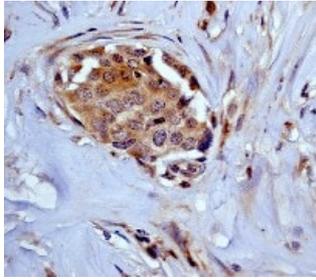


Anti-ARF1 + ARF3 antibody [EP442Y] (ab32524) at 1/2000 dilution + HEK-293 cell lysate

Predicted band size: 21 kDa

Observed band size: 20 kDa

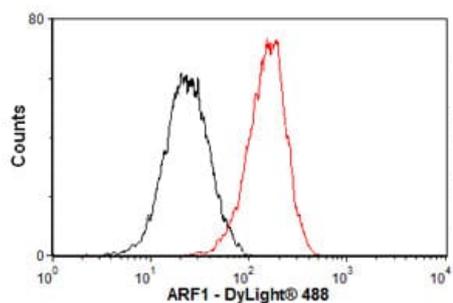
Western blot - Anti-ARF1 + ARF3 antibody [EP442Y] (ab32524)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARF1 + ARF3 antibody [EP442Y] (ab32524)

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] (ab32524)

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] (ab32524)

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

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