

Product datasheet

Anti-eEF1A1/EF-Tu+eEF1A1 + eEF1AL3 antibody [EPR9471] - BSA and Azide free ab240142

Recombinant RabMAb

6 Images

Overview

Product name	Anti-eEF1A1/EF-Tu+eEF1A1 + eEF1AL3 antibody [EPR9471] - BSA and Azide free
Description	Rabbit monoclonal [EPR9471] to eEF1A1/EF-Tu+eEF1A1 + eEF1AL3 - BSA and Azide free
Host species	Rabbit
Specificity	The immunogen used for this product shares 6 continuous identical amino acids with eEF1A2. Cross-reactivity with this protein has not been confirmed experimentally.
Tested applications	Suitable for: WB, Flow Cyt (Intra), ICC/IF, IP, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	GST tagged Recombinant Human EEF1A1 and EEF1AL3 protein
General notes	<p>ab240142 is the carrier-free version of ab157455.</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	Protein A purified
Clonality	Monoclonal
Clone number	EPR9471
Isotype	IgG

Applications

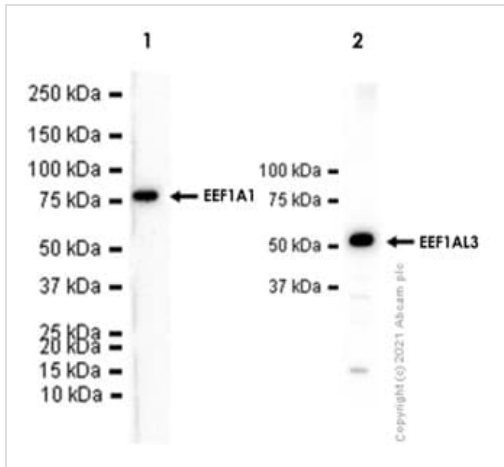
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab240142 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 50 kDa.
Flow Cyt (Intra)		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Cellular localization eEF1A1/EF-Tu: Cytoplasm.

Images



Western blot - Anti-eEF1A1/EF-Tu antibody [EPR9471] - BSA and Azide free (ab240142)

All lanes : Anti-eEF1A1/EF-Tu+eEF1A1 + eEF1AL3 antibody [EPR9471] ([ab157455](#)) at 1/1000 dilution

Lane 1 : GST tagged Recombinant Human eEF1A1 protein (Full length, 76 KDa)

Lane 2 : His tagged Recombinant Human eEF1AL3 protein (Full length, 52 KDa)

Secondary

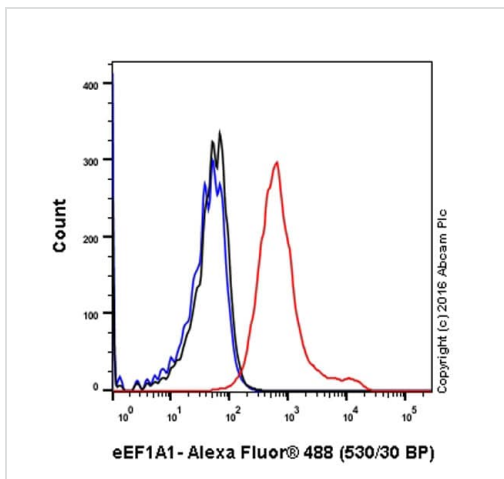
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 50 kDa

Exposure time:

Lane 1: 180 seconds

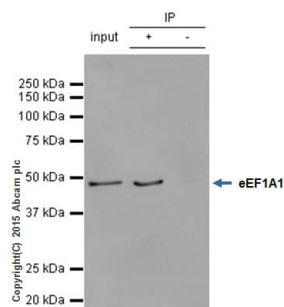
Lane 2: 5 seconds



Flow Cytometry (Intracellular) - Anti-eEF1A1/EF-Tu+eEF1A1 + eEF1AL3 antibody [EPR9471] - BSA and Azide free (ab240142)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling eEF1A1/EF-Tu with purified [ab157455](#) at 1/50 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) was used as the unlabeled control.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab157455](#)).



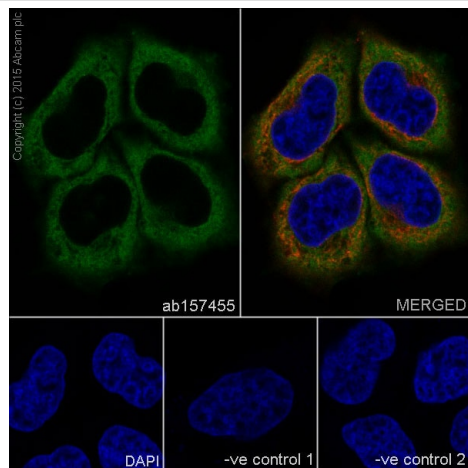
Immunoprecipitation - Anti-eEF1A1/EF-Tu+eEF1A1 + eEF1A3 antibody [EPR9471] - BSA and Azide free (ab240142)

ab157455 (purified) at 1/30 immunoprecipitating eEF1A1/EF-Tu in HeLa whole cell lysate. 10 ug of cell lysate was present in the input. For western blotting, a HRP-conjugated Veriblot for IP Detection Reagent (**ab131366**) was used for detection at 1/1,500 dilution. A rabbit monoclonal IgG (**ab172730**) was used instead of **ab128913** as a negative control (Lane 3).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab157455**).



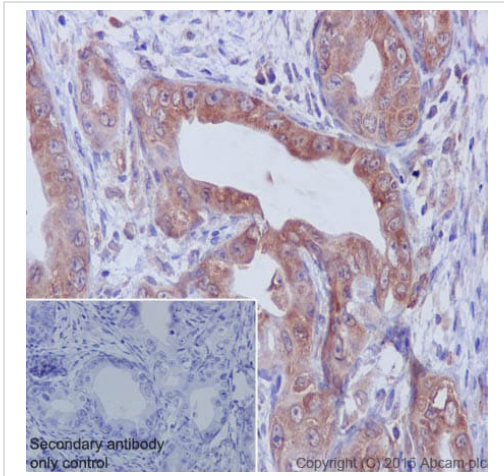
Immunocytochemistry/ Immunofluorescence - Anti-eEF1A1/EF-Tu+eEF1A1 + eEF1A3 antibody [EPR9471] - BSA and Azide free (ab240142)

Immunocytochemistry/Immunofluorescence analysis of HeLa (human cervix adenocarcinoma) cells labelling eEF1A1/EF-Tu with purified **ab157455** at 1/100. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, an Alexa Fluor[®] 488-conjugated goat anti-rabbit IgG (1/500) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. **ab7291**, a mouse anti-tubulin (1/1000) and **ab150120**, an Alexa Fluor[®] 594-conjugated goat anti-mouse IgG (1/1000) were also used.

Control 1: primary antibody (1/100) and secondary antibody, **ab150120**, an Alexa Fluor[®] 594-conjugated goat anti-mouse IgG (1/500).

Control 2: **ab7291** (1/1000) and secondary antibody, **ab150077**, an Alexa Fluor[®] 488-conjugated goat anti-rabbit IgG (1/500).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab157455**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human cervix carcinoma tissue labelling eEF1A1/EF-Tu with purified **ab157455** at 1/100. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a goat anti-rabbit IgG H&L (HRP) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab157455**).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eEF1A1/EF-Tu+eEF1A1 + eEF1A1L3 antibody [EPR9471] - BSA and Azide free (ab240142)

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-eEF1A1/EF-Tu antibody [EPR9471] - BSA and Azide free (ab240142)

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

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