

Product datasheet

Anti-EIF1AY antibody ab155546

4 Images

Overview

Product name	Anti-EIF1AY antibody
Description	Rabbit polyclonal to EIF1AY
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Rat, Human
Immunogen	Recombinant fragment, corresponding to a region within amino acids 1-144 of Human EIF1AY (Uniprot ID: Q14602).
Positive control	Human Lung AdCA tissue; Raji and PC-12 whole cell lysate; A431 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.00</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab155546 in the following tested applications.

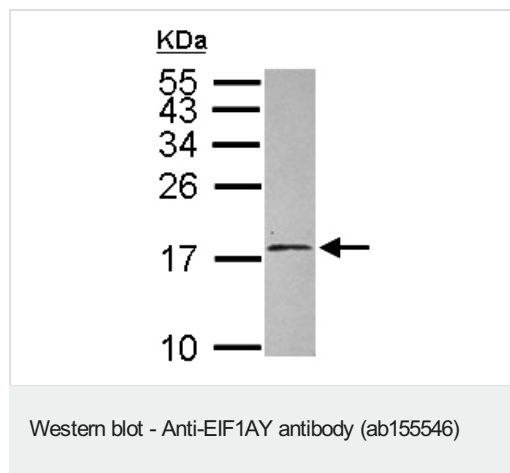
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 16 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Alternatively Tris-EDTA buffer (pH8.0) may be used.
ICC/IF		1/100 - 1/1000.

Target

Function	Seems to be required for maximal rate of protein biosynthesis. Enhances ribosome dissociation into subunits and stabilizes the binding of the initiator Met-tRNA(I) to 40 S ribosomal subunits.
Tissue specificity	Ubiquitous.
Sequence similarities	Belongs to the eIF-1A family. Contains 1 S1-like domain.

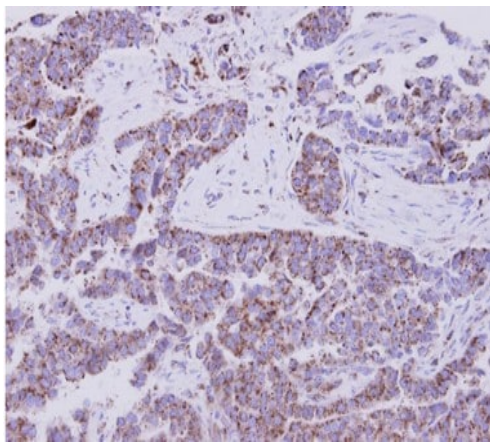
Images



Anti-eIF1AY antibody (ab155546) at 1/500 dilution + Raji whole cell lysate at 30 µg

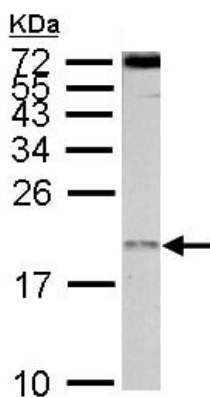
Predicted band size: 16 kDa

15% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EIF1AY antibody (ab155546)

Immunohistochemical analysis of paraffin-embedded Human Lung AdCA, labeling EIF1AY using ab155546 at 1/500 dilution.

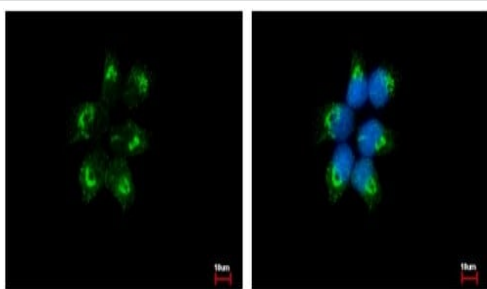


Western blot - Anti-EIF1AY antibody (ab155546)

Anti-EIF1AY antibody (ab155546) at 1/1000 dilution + PC-12 whole cell lysate at 30 µg

Predicted band size: 16 kDa

15 % SDS-PAGE



Immunocytochemistry/ Immunofluorescence - Anti-EIF1AY antibody (ab155546)

Immunofluorescent analysis of methanol fixed A431 cells, labeling EIF1AY with ab155546 at 1/500 dilution (green). A431 cells were fixed in ice-cold Methanol for 5 min. Right panel shows Hoechst 33343 staining (blue).

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

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