

Product datasheet

Anti-eIF4B antibody [EP2299Y] ab68474

RabMAb

★★★★★ 1 Abreviews 1 References 2 Images

Overview

Product name	Anti-eIF4B antibody [EP2299Y]
Description	Rabbit monoclonal [EP2299Y] to eIF4B
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, Flow Cyt Unsuitable for: IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human eIF4B (C terminal). The exact sequence is proprietary.
Positive control	HeLa cell lysate, human prostate adenocarcinoma tissue.
General notes	<p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> <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.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EP2299Y
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab68474** in the following tested applications.

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

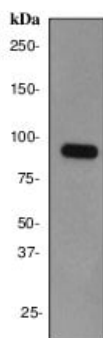
Application	Abreviews	Notes
WB		1/200000. Detects a band of approximately 90 kDa (predicted molecular weight: 69 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
Flow Cyt		1/20. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Application notes Is unsuitable for IP.

Target

Function	Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.
Sequence similarities	Contains 1 RRM (RNA recognition motif) domain.
Post-translational modifications	Phosphorylated at Ser-422 by RPS6KA1 and RPS6KB1; phosphorylation enhances the affinity of EIF4B for the EIF3 complex.

Images



Western blot - Anti-eIF4B antibody [EP2299Y] (ab68474)

Anti-eIF4B antibody [EP2299Y] (ab68474) at 1/200000 dilution + HeLa cell lysate at 10 µg

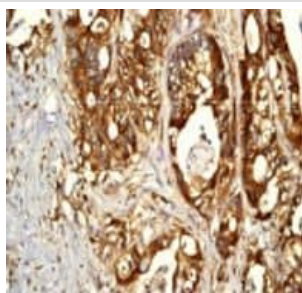
Secondary

HRP conjugated Goat anti-rabbit. at 1/2000 dilution

Predicted band size: 69 kDa

Observed band size: 90 kDa

[why is the actual band size different from the predicted?](#)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF4B antibody [EP2299Y] (ab68474)

Human prostate adenocarcinoma stained with ab68474 at 1/100 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

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

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