


Anti-eIF4B (phospho S406) antibody [EPR7683] - BSA and Azide free ab248698

Recombinant RabMAb

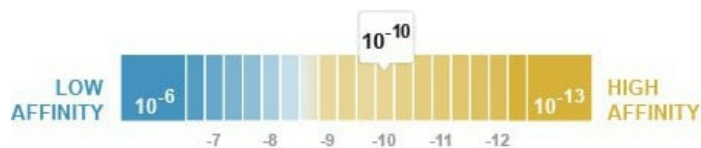
4 Images

Overview

Product name	Anti-eIF4B (phospho S406) antibody [EPR7683] - BSA and Azide free
Description	Rabbit monoclonal [EPR7683] to eIF4B (phospho S406) - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: ICC/IF or 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>ab248698 is the carrier-free version of ab134138.</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 monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Dissociation constant (K_D)	$K_D = 1.35 \times 10^{-10} \text{ M}$



[Learn more about \$K_D\$](#)

Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7683
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab248698 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

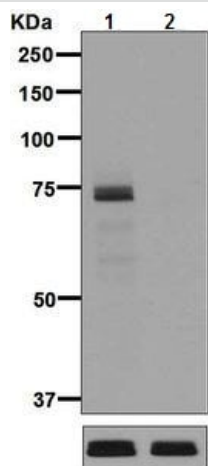
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 80 kDa (predicted molecular weight: 69 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for ICC/IF or 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 (phospho S406) antibody [EPR7683] - BSA and Azide free (ab248698)

All lanes : Anti-eIF4B (phospho S406) antibody [EPR7683] (**ab134138**) at 1/10000 dilution

Lane 1 : HeLa cell lysate untreated

Lane 2 : HeLa cell lysate treated with Alkaline Phosphatase

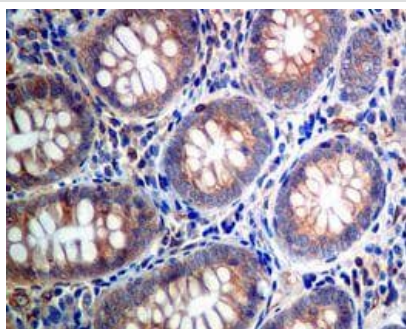
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-rabbit HRP at 1/2000 dilution

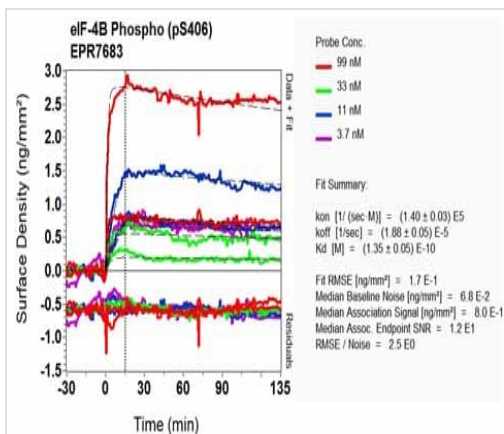
Predicted band size: 69 kDa

This data was developed using **ab134138**, the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF4B (phospho S406) antibody [EPR7683] - BSA and Azide free (ab248698)

This data was developed using **ab134138**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of Paraffin-embedded Human colon tissue labelling eIF4B phosphorylated at S406 with **ab134138** at 1/50 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



SPR Scanning - Anti-elf4B (phospho S406)
antibody [EPR7683] - BSA and Azide free
(ab248698)

This data was developed using **ab134138**, the same antibody clone in a different buffer formulation. Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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-elf4B (phospho S406) antibody [EPR7683] -
BSA and Azide free (ab248698)

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