abcam

Product datasheet

Anti-GAL4 antibody ab1396

2 Abreviews 10 References 2 Images

Overview

Product name	Anti-GAL4 antibody
Description	Rabbit polyclonal to GAL4
Host species	Rabbit
Specificity	Customers feedbacks suggests that this antibody would not provide satisfactory results in Drosophila melanogaster.
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Saccharomyces cerevisiae **Does not react with:** Drosophila melanogaster
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	This antibody gave a positive signal with GAL4-VP16 recombinant protein.
General notes	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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified

Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab1396 in the following tested applications.

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

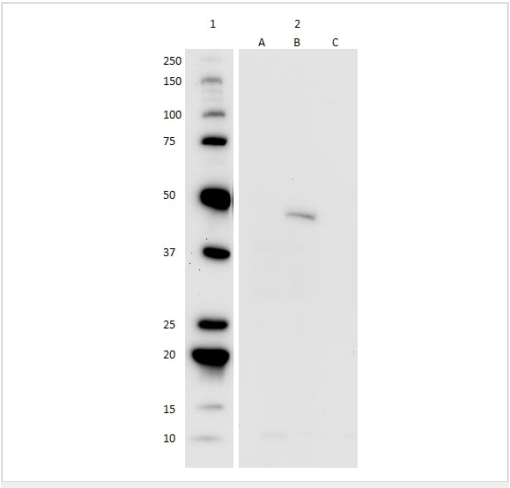
Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 99 kDa.

Target

Relevance Function: This protein is a positive regulator for the gene expression of the galactose-induced genes such as GAL1, GAL2, GAL7, GAL10, and MEL1 which encode for the enzymes used to convert galactose to glucose. It recognizes a 17 base pair sequence in (5'-CGGRNNRCYNYNCNCCG-3') the upstream activating sequence (UAS-G) of these genes. Subunit structure: Binds DNA as a homodimer. Interacts directly with the mediator subunits GAL11/MED15 and SRB4/MED17. Domain: The 9aaTAD motif (residues 862 to 870) is a transactivation domain present in a large number of yeast and animal transcription factors. Post-translational modification: Association between GAL11 and GAL4 may serve to expedite phosphorylation of GAL4.

Cellular localization Nuclear

Images



Western blot - Anti-GAL4 antibody (ab1396)

Anti-GAL4 (ab1396) antibody at 1ug/ml.

Lane 1: Marker.

Lane 2A: Whole cell yeast lysate control from untransformed SEY6210 pep4-3 strain (a kind gift from Prof. Tom Stevens from University of Oregon).

Lane 2B: Whole cell yeast lysate from SEY6210 pep4-3 strain transformed with pJK22-pGBDU plasmid containing GAL4 DNA Binding domain fused to the VPS60 Gene (a kind gift from Prof. Tom Stevens from University of Oregon).

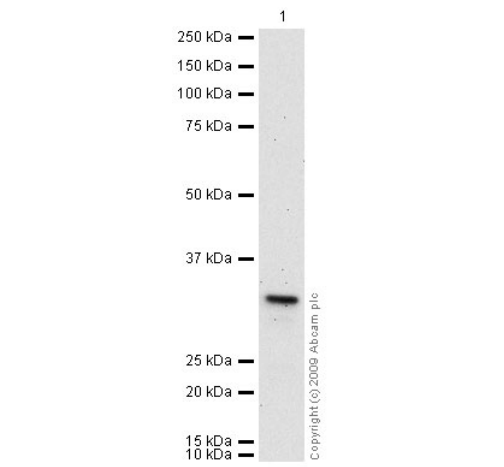
Lane 2C: Whole cell yeast lysate from SEY6210 pep4-3 strain transformed with pJk23-pGAD plasmid containing GAL4 Active Domain fused to the VPS60 Gene (a kind gift from Prof. Tom Stevens from University of Oregon).

Secondary: HRP conjugated Goat anti-Rabbit secondary antibody at 1/10000 dilution.

Predicted band size: 99 kDa

Additional bands: 56 kDa (possible isoform, Fusion Protein)

Developed using the ECL technique. Performed under reducing conditions with exposure time of 5 mins. The samples run on a 4-20% gradient gel. All blocking and antibody incubation steps done in 5% milk in 20mM Tris-HCl plus 0.1% TWEEN-20.



Western blot - Anti-GAL4 antibody (ab1396)

Anti-GAL4 antibody (ab1396) at 1 µg/ml + GAL4-VP16 Recombinant Protein at 0.1 µg

Secondary
Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Performed under reducing conditions.

Predicted band size: 99 kDa
Observed band size: 32 kDa

Exposure time: 2 minutes

ab1396 was tested against GAL4-VP16 Recombinant Protein predicted to run at 28 kDa.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors