abcam

Product datasheet

Anti-TLE4 antibody ab140485

1 References 2 Images

Overview

Product name	Anti-TLE4 antibody
Description	Rabbit polyclonal to TLE4
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, WB
Species reactivity	**Reacts with:** Mouse, Rat **Predicted to work with:** Rabbit, Chimpanzee, Macaque monkey, Gorilla, Chinese hamster, Orangutan
Immunogen	Synthetic peptide corresponding to Mouse TLE4 aa 200-300 conjugated to keyhole limpet haemocyanin. Database link: **Q62441**
Positive control	This antibody gave a positive signal in the following tissue lysates: P7 Mouse Brain; P0 Mouse Brain; E16 Embryonic Mouse Brain; E16 Embryonic Rat Brain; E14 Embryonic Mouse Brain; E14 Embryonic Rat Brain; IHC-P: FFPE mouse brain E17 FFPE tissue sections.
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 ab140485 in the following tested applications.

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

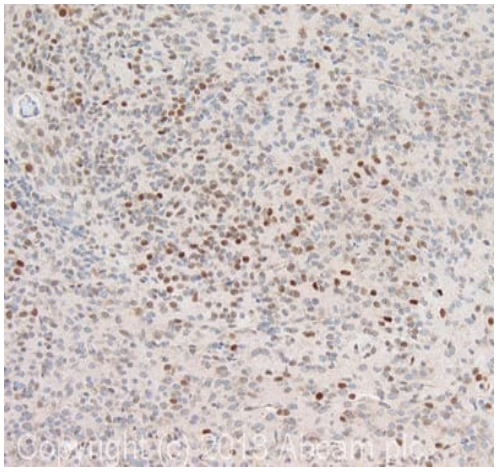
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 90 kDa (predicted molecular weight: 84 kDa).

Target

Relevance TLE4 (Transducin-like enhancer protein 4) is a member of the Groucho family of transcriptional corepressors and inhibits the transcriptional activation mediated by Pax5 and by beta-catenin and TCF family members in Wnt signaling.

Cellular localization Nuclear

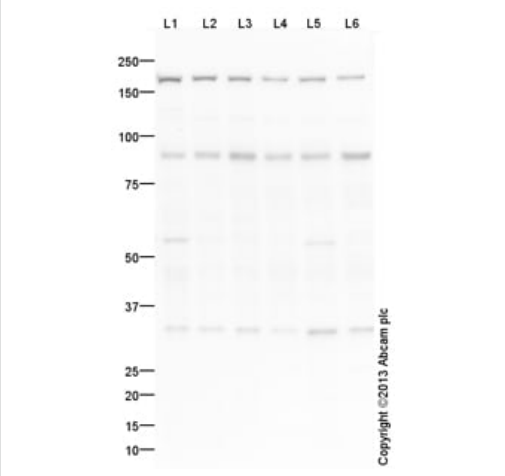
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLE4 antibody (ab140485)

IHC image of TLE4 staining in mouse brain E17 formalin fixed paraffin embedded tissue section, performed on a Leica Bond system using the standard protocol B. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab140485, 1µg/ml, for 15 mins at room temperature. A goat anti-rabbit biotinylated secondary antibody was used to detect the primary, and visualized using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Western blot - Anti-TLE4 antibody (ab140485)

All lanes : Anti-TLE4 antibody (ab140485) at 1 µg/ml

Lane 1 : P7 Mouse Brain Tissue Lysate Lab Lysate
Lane 2 : P0 Mouse Brain Mouse Tissue Lysate
Lane 3 : E16 Ms Embryo Brain Tissue Lysate
Lane 4 : E16 Rat Embryo Brain Tissue Lysate
Lane 5 : E14 Mouse Embryo Brain Tissue Lysate
Lane 6 : E14 Rat Embryo Brain Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 84 kDa
Observed band size: 90 kDa
Additional bands at: 200 kDa (possible non-specific binding), 34 kDa (possible non-specific binding), 56 kDa (possible non-specific binding)

Exposure time: 30 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab140485 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.

- 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