abcam

Product datasheet

Anti-Ephrin B3 antibody ab101699

<u>**1 Abreviews**</u>   <u>**4 References**</u>   <u>1 Image</u>

Overview

Product name	Anti-Ephrin B3 antibody
Description	Rabbit polyclonal to Ephrin B3
Host species	Rabbit
Specificity	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
Tested applications	**Suitable for:** WB, IHC **Unsuitable for:** ICC/IF
Species reactivity	**Reacts with:** Mouse, Rat, Human **Predicted to work with:** Horse, Cow, Cat, Dog, Pig, Macaque monkey
Immunogen	Synthetic peptide corresponding to Human Ephrin B3 aa 100-200 conjugated to keyhole limpet haemocyanin. (Peptide available as **ab113310**)
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 ab101699 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. Detects a band of approximately 45 kDa (predicted molecular weight: 36 kDa).
IHC		Use at an assay dependent concentration. PubMed: 25309991

Application notes   Is unsuitable for ICC/IF.
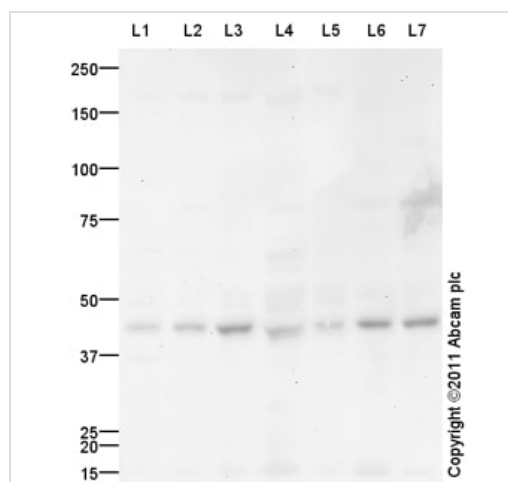
Target

Function	May play a pivotal role in forebrain function. Binds to, and induce the collapse of, commissural axons/growth cones in vitro. May play a role in constraining the orientation of longitudinally projecting axons.
Tissue specificity	Highly expressed in brain; expressed in embryonic floor plate, roof plate and hindbrain segments.
Sequence similarities	Belongs to the ephrin family.
Cellular localization	Membrane.

Images

Western blot - Anti-Ephrin B3 antibody (ab101699)

All lanes : Anti-Ephrin B3 antibody (ab101699) at 1 µg/ml

Lane 1 : Human brain tissue lysate - total protein (**ab29466**)
Lane 2 : Brain (Mouse) Tissue Lysate
Lane 3 : Brain (Rat) Tissue Lysate
Lane 4 : Forebrain (Mouse) Tissue Lysate
Lane 5 : Rat Forebrain
Lane 6 : E10 Mouse Embryo Brain Tissue Lysate
Lane 7 : E14 Mouse Embryo Brain Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 36 kDa
Observed band size: 45 kDa

Exposure time: 90 seconds

Ephrin B3 contains a potential glycosylation site (SwissProt) which may explain its migration at a higher molecular weight than predicted.

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

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