

Product datasheet

Anti-Ephrin B (phospho Y298) antibody ab33069

1 Image

Overview

Product name	Anti-Ephrin B (phospho Y298) antibody
Description	Rabbit polyclonal to Ephrin B (phospho Y298)
Host species	Rabbit
Specificity	ab33069 recognises the ~46 kDa EphrinB protein phosphorylated at Tyr298.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Chicken, Human, Xenopus laevis
Immunogen	Phosphopeptide corresponding to amino acid residues surrounding the phospho Tyr298 of Xenopus EphrinB.
Positive control	Rat testes lysate.
General notes	<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: 7.50 Constituents: 0.238% HEPES, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, 0.01% BSA
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab33069** 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		1/1000. Detects a band of approximately 46 kDa (predicted molecular weight: 38 kDa).

Target

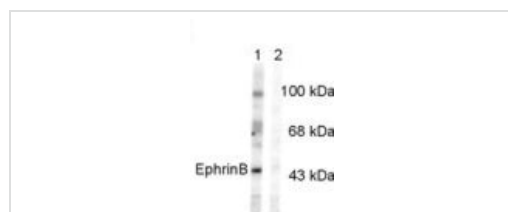
Relevance

Ephrin B proteins are thought to play key roles in cellular functions as diverse as neuronal migration and blood vessel development. Ephrin B molecules expressed at the membrane surface bind to the Ephrin B family receptors on target cells during cell to cell contact. This interaction leads to cell signaling in the target cell but also generates a reverse signal in the cell expressing Ephrin B on its surface. This reverse signaling event is thought to be critical for vessel maturation and neuronal development. Importantly, tyrosine phosphorylation of Ephrin B is thought to be a critical component of this reverse signaling event. Recent work demonstrated that Tyr331 of Ephrin B was phosphorylated in HEK293 cells after stimulation by the soluble Ephrin B2 receptor tyrosine kinase.

Cellular localization

Membrane; single pass type I membrane protein.

Images



Western blot - Anti-Ephrin B (phospho Y298) antibody (ab33069)

All lanes : Anti-Ephrin B (phospho Y298) antibody (ab33069) at 1/1000 dilution

All lanes : Rat testes lysate

Predicted band size: 38 kDa

Observed band size: 46 kDa

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

Lane 2 is identical to lane 1 except that it was incubated in lambda-phosphatase (1200 units for 30 min) before being exposed to ab33069. The immunolabeling of the EphrinB band is completely eliminated by treatment with lambda-phosphatase.

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

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