

Product datasheet

Anti-Ephrin B (phospho Y317) antibody ab33473

1 Image

Overview

<b>Product name</b>	Anti-Ephrin B (phospho Y317) antibody
<b>Description</b>	Rabbit polyclonal to Ephrin B (phospho Y317)
<b>Specificity</b>	This antibody is specific to Dak Ephrin B protein phosphorylated at Tyr317.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Chicken, Human, Xenopus laevis
<b>Immunogen</b>	Phosphopeptide corresponding to amino acid residues surrounding the phospho Tyr317 of Chicken EphrinB.
<b>Positive control</b>	Rat testes lysate.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 50% Glycerol, 100µg/ml BSA, 150mM Sodium chloride, 10mM HEPES. pH 7.5
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab33473** 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
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WB

<b>Application notes</b>	WB: 1/1000. Detects a band of approximately 46 kDa (predicted molecular weight: 37 kDa). Note: The immunolabeling of the Ephrin B band is blocked by lambda phosphatase treatment.
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Not yet tested in other applications.  
Optimal dilutions/concentrations should be determined by the end user.

## Target

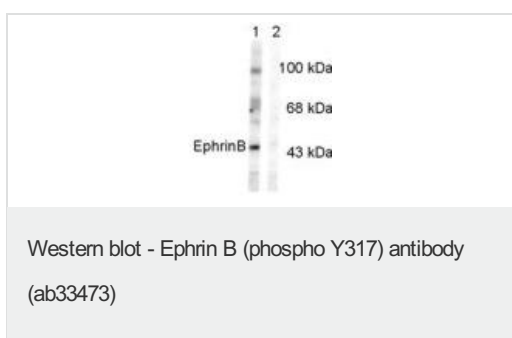
### Relevance

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.

## Anti-Ephrin B (phospho Y317) antibody images



**All lanes :** Anti-Ephrin B (phospho Y317) antibody (ab33473) at 1/1000 dilution

**Lane 1 :** Rat testes lysate treated with this Ephrin B antibody phosphorylated at Tyr317 (control).

**Lane 2 :** Rat testes lysate incubated in lambda phosphatase (1200 unit for 30 min) before being exposed to this Ephrin B antibody phosphorylated at Tyr317.

Lysates/proteins at 50 µg per lane.

**Predicted band size :** 37 kDa

**Observed band size :** 46 kDa

**Additional bands at :** 100 kDa. We are unsure as to the identity of these extra bands.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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