




Anti-Ephrin B2 (phospho Y316) antibody ab119323

[3 References](#) [1 Image](#)

Overview

Product name	Anti-Ephrin B2 (phospho Y316) antibody
Description	Rabbit polyclonal to Ephrin B2 (phospho Y316)
Host species	Rabbit
Specificity	ab119323 recognizes endogenous Ephrin B2 only when phosphorylated at Tyrosine 316. May also react with Ephrin B1 and B3 as the immunogen sequence is also present in these proteins if phosphorylated.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Rat 
Immunogen	Synthetic peptide corresponding to Human Ephrin B2 aa 300-400 (phospho Y316) conjugated to keyhole limpet haemocyanin. Database link: P52799  Run BLAST with  Run BLAST with
Positive control	HT29 cell lysate
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 0.88% Sodium chloride, 50% Glycerol (glycerin, glycerine) PBS without Mg2+ and Ca2+

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

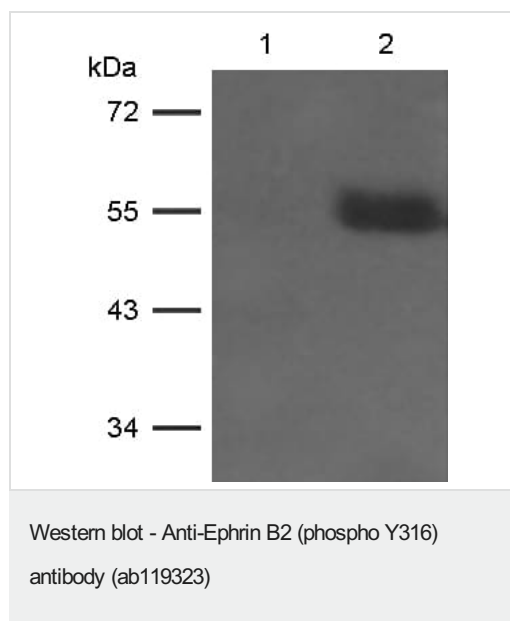
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab119323 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 37 kDa.

Target

Function	Cell surface transmembrane ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Binds to receptor tyrosine kinase including EPHA4, EPHA3 and EPHB4. Together with EPHB4 plays a central role in heart morphogenesis and angiogenesis through regulation of cell adhesion and cell migration. EPHB4-mediated forward signaling controls cellular repulsion and segregation from EFNB2-expressing cells. May play a role in constraining the orientation of longitudinally projecting axons. (Microbial infection) Acts as a receptor for Hendra virus and Nipah virus.
Tissue specificity	Lung and kidney.
Sequence similarities	Belongs to the ephrin family. Contains 1 ephrin RBD (ephrin receptor-binding) domain.
Post-translational modifications	Inducible phosphorylation of tyrosine residues in the cytoplasmic domain.
Cellular localization	Membrane.

Images



All lanes : Anti-Ephrin B2 (phospho Y316) antibody (ab119323) at 1/500 dilution

Lane 1 : HT29 cell lysate

Lane 2 : HT29 cells, treated with UV and lysed

Predicted band size: 37 kDa

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

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