Datasheet for ABIN550214

anti-Ephrin B1 antibody (pTyr298)

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Overview

Quantity:	100 µL
Target:	Ephrin B1 (EFNB1)
Binding Specificity:	pTyr298
Reactivity:	Human, Mouse, Rat, Chicken, Zebrafish (Danio rerio), Cow, Dog, Frog, Primate
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ephrin B1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic phosphopeptide of EphrinB.
Immunogen:	Synthetic phosphopeptide corresponding to residues surrounding Y298 of ***Xenopus*** EphrinB.
Isotype:	IgG
Cross-Reactivity:	Chicken, Cow, Dog, Frog, Human, Mouse, Primate, Rat, Zebrafish (Danio rerio)
Characteristics:	Antibody Reactive Against Synthetic Peptide.

Target Details

Target:	Ephrin B1 (EFNB1)
Alternative Name:	Ephrin-B1 (EFNB1 Products)
Pathways:	RTK Signaling

Application Details

Application Notes:	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

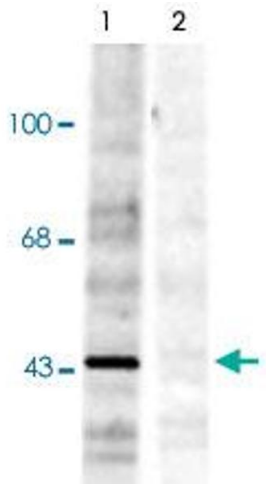
Handling

Format:	Liquid
Buffer:	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50 % glycerol, 10 % BSA)
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Bong, Park, Lee, Mood, Ishimura, Daar: "Tyr-298 in ephrinB1 is critical for an interaction with the Grb4 adaptor protein." in: **The Biochemical journal**, Vol. 377, Issue Pt 2, pp. 499-507, (2004) (PubMed). Oike, Ito, Hamada, Zhang, Miyata, Arai, Inada, Araki, Nakagata, Takeya, Kisanuki, Yanagisawa, Gale, Suda: "Regulation of vasculogenesis and angiogenesis by EphB/ephrin-B2 signaling between endothelial cells and surrounding mesenchymal cells." in: **Blood**, Vol. 100, Issue 4, pp. 1326-33, (2002) (PubMed).

Images



Western Blotting

Image 1. Western blot of rat testis lysate showing specific immunolabeling of the ~46k EphrinB phosphorylated at Tyr298 (Control, lane 1). The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase: lambda-Ptase, lane 2). The blot is identical to the control except that it was incubated in lambda-Ptase (1200 units for 30 min) before being exposed to the EphrinB (phospho Y298) polyclonal antibody . The immunolabeling of the

EphrinB band is completely eliminated by treatment with lambda-Ptase.

