

ARG52275 anti-EphrinB phospho (Tyr331) antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes EphrinB phospho (Tyr331)
Tested Reactivity	Rat
Predict Reactivity	Hu, Ms, Bov, Chk, Xenopus laevis, Zfsh
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	EphrinB
Species	Chicken
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Tyr331 conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	EPH-like kinase 5; Developmentally-regulated Eph-related tyrosine kinase; Hek5; Renal carcinoma antigen NY-REN-47; EPH tyrosine kinase 3; Tyrosine-protein kinase receptor EPH-3; DRT; ELK-related tyrosine kinase; Tyrosine-protein kinase TYRO5; Ephrin type-B receptor 2; hEK5; PCBC; EPHT3; Tyro5; EK5; EC 2.7.10.1; CAPB; ERK

Application Instructions

Application table	Application	Dilution
	WB	1:1,000
Application Note	Specific for the ~46k EphrinB protein phosphorylated at Tyr331. Immunolabeling is blocked by λ-phosphatase treatment. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

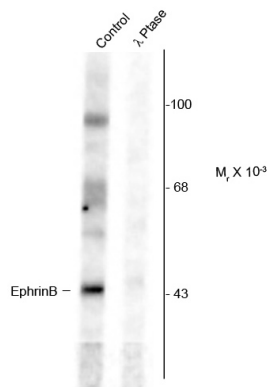
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	EPHB2
Gene Full Name	EPH receptor B2
Background	<p>EphrinB proteins are thought to play key roles in cellular functions as diverse as neuronal migration and blood vessel development (Flanagan and Vanderhaeghen, 1998; Dufour et al., 2003; Oike et al., 2002). EphrinB molecules expressed at the membrane surface bind to the EphB 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 EphrinB on its surface. This reverse signaling event is thought to be critical for vessel maturation and neuronal development. Importantly, tyrosine phosphorylation of EphrinB is thought to be a critical component of this reverse signaling event (Palmer et al., 2002). Recent work demonstrated that Tyr331 of EphrinB was phosphorylated in HEK293 cells after stimulation by the soluble EphB2 receptor tyrosine kinase (Kalo et al., 2001)</p>
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Neuroscience antibody
Calculated Mw	117 kDa

Images



ARG52275 anti-EphrinB phospho (Tyr331) antibody WB image

Western blot: Rat testes lysate showing phospho-specific immunolabeling of the ~46k EphrinB protein phosphorylated at Tyr 331 stained with ARG52275 anti-EphrinB phospho (Tyr331) antibody.