

# Product datasheet

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# ARG52274 anti-EphrinB phospho (Tyr317) antibody

Package: 50 μl Store at: -20°C

#### **Summary**

Product Description Rabbit Polyclonal antibody recognizes EphrinB phospho (Tyr317)

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 Tyr317 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 $^{\sim}46k$ EphrinB protein phosphorylated at Tyr317. The immunolabeling of the EphrinB band is blocked by treatment with $\lambda$ -phosphatase.  * 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 EphrinB proteins are thought to play key roles in cellular functions as diverse as neuronal migration and

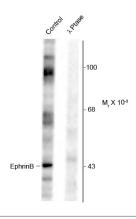
blood vessel development (Flanagan and Vanderhaeghen, 1998; Dufour et al., 2003; Oike et al., 2002). EphrinB molecules expressed at the membrane surface bind to the EphB family receptors on target cells during cell-to cell contact. This interaction leads to cell signaling in the target cell but also 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 suggests that phosphorylation of a specific EphrinB residue (Tyr298) plays a key role in

EphrinB signaling (Kalo, et al., 2001).

Research Area Cancer antibody; Cell Biology and Cellular Response antibody; Neuroscience antibody

Calculated Mw 117 kDa

### **Images**



#### ARG52274 anti-EphrinB phospho (Tyr317) antibody WB image

Western blot: Rat testes lysate showing phospho-specific immunolabeling of the ~46k Ephrin B protein phosphorylated at Tyr 317 stained with ARG52274 anti-EphrinB phospho (Tyr317) antibody.