bs-10690R **[Primary Antibody]**

phospho-Ephrin B1 (Tyr317) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1947 **SWISS:** P98172

Target: Ephrin B1 (Tyr317)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Ephrin B1 around the phosphorylation site of Tyr317: PH(p-Y)EK.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

Reactivity: Human (predicted: Mouse, Rat, Cow, Horse)

Predicted MW.: 34 kDa

Subcellular Location: Cell membrane