

**Anti-Human/Mouse/Rat/Monkey Ephrin B1 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA03794**

---

3th Edition

**Description:** 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.

**Antigen:** Synthesized peptide derived from human Ephrin-B1 around the non-phosphorylation site of Tyr317.

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:** Heart, placenta, lung, liver, skeletal muscle, kidney, pancreas.