bs-6046R **[Primary Antibody]**

EPHB4 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2050 **SWISS:** P54760

Target: EPHB4

Immunogen: KLH conjugated synthetic peptide derived from human Eph receptor B4: 601-700/987.

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 receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene binds to ephrin-B2 and plays an essential role in vascular development. [provided by RefSeq, Jul 2008]

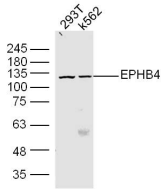
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Dog, GuineaPig, Horse)

Predicted MW.: 107 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: 293T Cell (Human) Lysate at 40 ug K562 Cell (Human) Lysate at 40 ug Primary: Anti-EPHB4 (bs-6046R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 107 kD Observed band size: 120 kD

SELECTED CITATIONS

- **[IF=5.3]** Ying Fu. et al. Imbalanced EphB4/EphrinB2 Signaling Modulates Bone Resorption in Periodontitis Induced by Porphyromonas gingivalis. ACS INFECT DIS. 2024;XXXX(XXX):XXX-XXX WB ;Rat. 38442009
- **[IF=1.813]** Huang Mi. et al. Icariin Alleviates Glucocorticoid-Induced Osteoporosis through EphB4/Ephrin-B2 Axis. Evid-Based Compl Alt. 2020;2020:2982480 IHC ;Mouse. 32508946