

**Ephrin B2 Rabbit mAb**  
Catalog # AP77781**Specification**

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**Ephrin B2 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P52799</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>36923</b>

**Ephrin B2 Rabbit mAb - Additional Information****Gene ID** 1948**Other Names**  
EFNB2**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**Ephrin B2 Rabbit mAb - Protein Information****Name** EFNB2**Synonyms** EPLG5, HTKL, LERK5**Function**

Cell surface transmembrane ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Binds to receptor tyrosine kinase including EPHA4, EPHA3 and EPHB4. Together with EPHB4 plays a central role in heart morphogenesis and angiogenesis through regulation of cell adhesion and cell migration. EPHB4-mediated forward signaling controls cellular repulsion and segregation from EFNB2-expressing cells. May play a role in constraining the orientation of longitudinally projecting axons.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein. Cell junction, adherens junction  
{ECO:0000250|UniProtKB:P52800}

**Tissue Location**

Lung and kidney.

**Ephrin B2 Rabbit mAb - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Ephrin B2 Rabbit mAb - Images**