

Ephrin B2 Rabbit mAb

Catalog # AP77781

Product Information

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|--------------------------|--|
| Application | WB, IF, ICC |
| Primary Accession | P52799 |
| Reactivity | Rat, Human, Mouse |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |
| Isotype | IgG |
| Conjugate | Unconjugated |
| Immunogen | A synthesized peptide derived from human Ephrin B2 |
| Purification | Affinity Chromatography |
| Calculated MW | 36923 |

Additional Information

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|--------------------|--|
| Gene ID | 1948 |
| Other Names | EFNB2 |
| Dilution | WB~~1/500-1/1000 IF~~1:50~200 ICC~~N/A |
| Format | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

Protein Information

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|-----------------|--|
| 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.

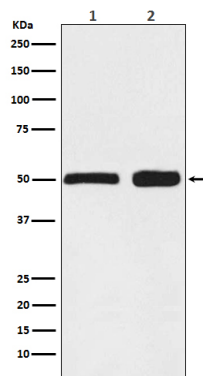
Cellular Location

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

Tissue Location

Lung and kidney.

Images



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