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Datasheet for ABIN7151878
anti-Ephrin B2 antibody (AA 28-229)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | Ephrin B2 (EFNB2) |
| Binding Specificity: | AA 28-229 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Ephrin B2 antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), ELISA |

Product Details

| | |
|-------------------|--|
| Immunogen: | Recombinant Human Ephrin-B2 protein (28-229AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | Antigen Affinity Purified |

Target Details

| | |
|-------------------|--|
| Target: | Ephrin B2 (EFNB2) |
| Alternative Name: | EFNB2 (EFNB2 Products) |
| Background: | Background: 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 |

Target Details

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.

Aliases: EFN B2 antibody, EFNB 2 antibody, Efnb2 antibody, EFNB2_HUMAN antibody, Eph related receptor tyrosine kinase ligand 5 antibody, EPH-related receptor tyrosine kinase ligand 5 antibody, ephrin B2 antibody, Ephrin-B2 antibody, EphrinB2 antibody, EPLG 5 antibody, EPLG5 antibody, Htk L antibody, HTK ligand antibody, HTK-L antibody, HTKL antibody, LERK 5 antibody, LERK-5 antibody, LERK5 antibody, Ligand of eph related kinase 5 antibody, MGC126226 antibody, MGC126227 antibody, MGC126228 antibody, OTTMUSP00000024973 antibody

UniProt: [P52799](#)

Pathways: [RTK Signaling](#), [Regulation of Muscle Cell Differentiation](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

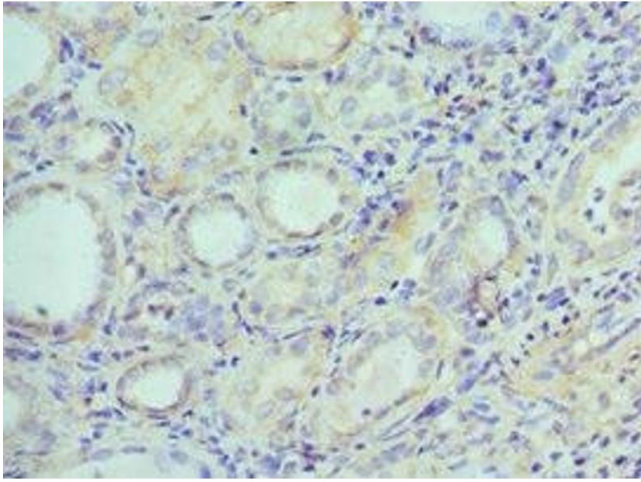
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

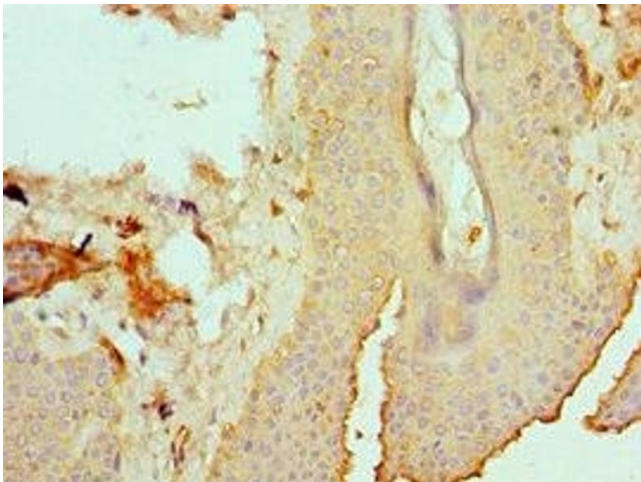
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7151878 at dilution of 1:100



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human skin tissue using ABIN7151878 at dilution of 1:100