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Datasheet for ABIN913882

anti-ROBO2 antibody (AA 144-220) (Alexa Fluor 555)

Overview

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| Quantity: | 100 µL |
| Target: | ROBO2 |
| Binding Specificity: | AA 144-220 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ROBO2 antibody is conjugated to Alexa Fluor 555 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human Robo2 |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse |
| Predicted Reactivity: | Human,Rat,Dog,Cow,Pig,Horse,Chicken,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | ROBO2 |
| Alternative Name: | Robo2 (ROBO2 Products) |

Target Details

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| Background: | <p>Synonyms: lea, Robo 2, ROBO2, ROBO2_HUMAN, Roundabout 2, Roundabout homolog 2, roundabout, axon guidance receptor, homolog 2 Drosophila, Roundabout2, SAX 3,SAX3.</p> <p>Background: Receptor for SLIT2, and probably SLIT1, which are thought to act as molecular guidance cue in cellular migration, including axonal navigation at the ventral midline of the neural tube and projection of axons to different regions during neuronal development.Involvement in disease:Defects in ROBO2 are the cause of vesicoureteral reflux type 2 (VUR2) . VUR is a complex, genetically heterogeneous developmental disorder characterized by the retrograde flow of urine from the bladder into the ureter and is associated with reflux nephropathy, the cause of 15 % of end-stage renal disease in children and young adults.</p> |
| Gene ID: | 6092 |
| Pathways: | Regulation of Cell Size |

Application Details

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| Application Notes: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |