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Datasheet for ABIN1393776

## anti-KIRREL3 antibody (AA 351-450) (AbBy Fluor® 647)



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| Quantity:            | 100 μL   |
|----------------------|--|
| Target:              | KIRREL3  |
| Binding Specificity: | AA 351-450   |
| Reactivity:          | Mouse  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This KIRREL3 antibody is conjugated to AbBy Fluor® 647   |
| Application:         | Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

#### **Product Details**

| Immunogen:            | KLH conjugated synthetic peptide derived from human KIRREL3 |
|-----------------------|---|
| Isotype:              | IgG   |
| Cross-Reactivity:     | Mouse   |
| Predicted Reactivity: | Human,Rat,Chicken   |
| Purification:         | Purified by Protein A.                                      |

### **Target Details**

| Target:           | KIRREL3                    |
|-------------------|----------------------------|
| Alternative Name: | KIRREL3 (KIRREL3 Products) |

#### **Target Details**

#### Background:

Synonyms: Kin of IRRE like 3 Drosophila, Kin of IRRE like 3, Kin of irregular chiasm like protein 3, KIRRE, KIRREL 3, KIRREL-3, MRD4, NEPH2, Nephrin like 2, PRO19814, PRO4502, yUNQ5923, KIRR3\_HUMAN.

Background: NEPH2 is a 778 amino acid single-pass type I membrane protein that belongs to the nephrin-like protein family and immunoglobulin superfamily. Expressed in both fetal and adult brain, as well as podocytes of kidney glomeruli, NEPH2 contains five Ig-like C2-type (immunoglobulin-like) domains and is thought to plaly a role in the hematopoetic supportive capacity of stroma cells. NEPH2 undergoes alternative splicing to produce two isoforms and contains a C-terminal cytoplasmic domain which it uses to interact with Podocin, a podocyte protein involved in ultrafiltration. Defects in the gene encoding NEPH2 are associated with mental retardation autosomal dominant type 4 (MRD4).

#### **Application Details**

Application Notes:

FCM 1:20-100

IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

Restrictions:

For Research Use only

#### Handling

| 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  |