IFT27 Polyclonal antibody

Catalog Number: 15017-1-AP  Featured Product  3 Publications

For Research Use Only

Basic Information

- **Catalog Number:** 15017-1-AP
- **Size:** 150μl, Concentration: 750 μg/ml by Nanodrop and 300 μg/ml by Bradford method using BSA as the standard
- **Source:** Rabbit
- **Isotype:** IgG
- **Immunogen Catalog Number:** AG6967
- **GenBank Accession Number:** BC000566
- **GeneID (NCBI):** 11020
- **Full Name:** Rab, member of RAS oncogene family-like 4
- **Calculated MW:** 20 kDa
- **Observed MW:** 20 kDa
- **Purification Method:** Antigen affinity purification
- **Recommended Dilutions:**
  - **WB:** 1:500-1:1000
  - **IHC:** 1:20-1:200
  - **IF:** 1:10-1:100

Applications

- **Tested Applications:** IF, IHC, WB, ELISA
- **Cited Applications:** WB
- **Species Specificity:** human
- **Cited Species:** human

*Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0*

Background Information

RABL4, also named as IFT27, is a GTP-binding protein that is a core component of the intraflagellar transport complex. It plays a role in the cargo loading of the retrograde transport machinery.

Notable Publications

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<th>Author</th>
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<tr>
<td>Malavika Raman</td>
<td>26389662</td>
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<td>Zi Gao</td>
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<td>Tina Beyer</td>
<td>29615496</td>
<td>Mol Cell Proteomics</td>
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Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**

*** 20μl sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) | E: proteintechn@ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

**WB result of anti-RABL4 (15017-1-AP) with human RPE cells (siRNA and control) by Dr. Gerald Liew, Maxence Nachury’s lab.**

**IF result (cytoplasm and the spindle midzone stain) of anti-RABL4 (IFT27, 15017-1-AP, 1:50) with telophase hTERT-RPE1 (MeOH fixed) by Dr. Moshe Kim.**

**Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 15017-1-AP (IFT27 antibody at dilution of 1:50 (under 10x lens).**

**Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 15017-1-AP (IFT27 antibody at dilution of 1:50 (under 40x lens).**

**Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 15017-1-AP (IFT27 antibody at dilution of 1:50 (under 10x lens).**

**Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 15017-1-AP (IFT27 antibody at dilution of 1:50 (under 40x lens).**