### Basic Information

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>GenBank Accession Number</th>
<th>Purification Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>15485-1-AP</td>
<td>BC001148</td>
<td>Antigen affinity purification</td>
</tr>
<tr>
<td><strong>Size:</strong> 150μl, Concentration: 250μg/ml by Nanodrop and 133μg/ml by Bradford method using BSA as the standard</td>
<td><strong>GeneID (NCBI):</strong> 11031</td>
<td><strong>Recommended Dilutions:</strong> WB: 1:1000-1:2000, IHC: 1:50-1:100</td>
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<tr>
<td><strong>Source:</strong> Rabbit</td>
<td><strong>Full Name:</strong> RAB31, member RAS oncogene family</td>
<td></td>
</tr>
<tr>
<td><strong>Isotype:</strong> IgG</td>
<td><strong>Calculated MW:</strong> 22 kDa</td>
<td></td>
</tr>
<tr>
<td>Immunogen Catalog Number: AG7833</td>
<td><strong>Observed MW:</strong> 22 kDa</td>
<td></td>
</tr>
</tbody>
</table>

### Applications

**Tested Applications:** IHC, WB, ELISA  
**Species Specificity:** human  
**Note-IHC:** suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0  
**Positive Controls:**  
**WB:** HeLa cells, human placenta tissue, HepG2 cells, K-562 cells  
**IHC:** human liver cancer tissue

### Background Information

RAB31, also named as RAB22b, belongs to small GTP-binding proteins of the RAB family. Rab31 localizes in the trans-Golgi network (TGN) and endosomes. It is required for transport of mannose 6-phosphate receptors (MPRs) from the trans-Golgi network (TGN) to endosomes.

### 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**

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*For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com  
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.*
Various lysates were subjected to SDS PAGE followed by western blot with 15485-1-AP (RAB31 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15485-1-AP (RAB31 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15485-1-AP (RAB31 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).