# Basic Information

<table>
<thead>
<tr>
<th>Catalog Number:</th>
<th>11947-1-AP</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenBank Accession Number:</td>
<td>BC001267</td>
</tr>
<tr>
<td>GeneID (NCBI):</td>
<td>5968</td>
</tr>
<tr>
<td>Source:</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG</td>
</tr>
<tr>
<td>Purification Method:</td>
<td>Antigen affinity purification</td>
</tr>
<tr>
<td>Immunogen Catalog Number:</td>
<td>AG2548</td>
</tr>
</tbody>
</table>

## Recommended Dilutions:
- **WB**: 1:500-1:2000
- **IP**: 0.5-4.0 μg for IP and 1:500-1:1000 for WB
- **IHC**: 1:50-1:500
- **IF**: 1:50-1:500

## Applications

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

**Note:** suggested antigen retrieval with TE buffer pH 9.5. (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

## Storage

- **Storage:** Store at -20ºC. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20ºC storage**

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# Background Information

# Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yanyan Liao</td>
<td>30315228</td>
<td>Sci Rep</td>
<td>WB</td>
</tr>
<tr>
<td>Kobina Essandoh</td>
<td>30894248</td>
<td>FASEB J</td>
<td>WB</td>
</tr>
<tr>
<td>Han-Xiang Deng</td>
<td>27270108</td>
<td>Nat Genet</td>
<td>IF</td>
</tr>
</tbody>
</table>

# Positive Controls:

- **WB**: mouse brain tissue; HeLa cells, human brain tissue, rat brain tissue
- **IP**: mouse brain tissue;
- **IHC**: human gliomas tissue; human pancreas tissue
- **IF**: NIH/3T3 cells;

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

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**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 11947-1-AP (RAB5A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11947-1-AP (RAB5A Antibody) at dilution of 1:200 (under 10x lens), heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11947-1-AP (RAB5A Antibody) at dilution of 1:200 (under 40x lens), heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).


Immunofluorescent analysis of (-20°C Methanol) fixed NIH/3T3 cells using 11947-1-AP (RAB5A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Anti-Rabbit IgG (H+L).