TOM20 Polyclonal ANTIBODY

Catalog Number: 11802-1-AP

**Basic Information**

- **Catalog Number:** 11802-1-AP
- **Size:** 37 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG2378
- **GenBank Accession Number:** BC000882
- **GeneID (NCBI):** 9804
- **Full Name:** translocase of outer mitochondrial membrane 20 homolog (yeast)
- **Calculated MW:** 145aa, 16 kDa
- **Observed MW:** 16 kDa
- **Recommended Dilutions:**
  - **WB:** 1:1000-1:8000
  - **IP:** 0.5-4.0 μg for IP and 1:1000-1:4000 for WB
  - **IHC:** 1:20-1:200
  - **IF:** 1:50-1:500

**Applications**

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

**Background Information**

TOM20, also named as KIAA0016, belongs to the Tom20 family. It is a central component of the receptor complex responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with TOM22, TOM20 functions as the transit peptide receptor at the surface of the mitochondrion outer membrane and facilitates the movement of preproteins into the TOM40 translocation pore. TOM20 is characterized as major docking receptors to mediate the recognition by different mechanisms.

**Notable Publications**

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<tr>
<th>Author</th>
<th>Pubmed ID</th>
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<tbody>
<tr>
<td>Lai Deborah D</td>
<td>24086592</td>
<td>PLoS One</td>
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<tr>
<td>Weiwei Xia</td>
<td>30244249</td>
<td>Cell Physiol Biochem</td>
<td>WB</td>
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<tr>
<td>Rahul Pandey</td>
<td>30236894</td>
<td>PLoS One</td>
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**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**

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 11802-1-AP (TOM20 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 11802-1-AP (TOM20 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

10^5 HeLa cells were stained with 0.2ug TOM20 antibody (11802-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.


Immunohistochemical of paraffin-embedded human gliomas using 11802-1-AP (TOM20 antibody) at dilution of 1:100 (under 10x lens).