### Basic Information

- **Catalog Number:** 20985-1-AP
- **GenBank Accession Number:** NM_022783
- **GeneID (NCBI):** 64798
- **Full Name:** DEP domain containing 6
- **Calculated MW:** 46 kDa
- **Observed MW:** 40-45 kDa

### Applications

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

### Background Information

DEPDC6, also named as DEPTOR, was identified as a novel mTOR-interacting protein whose over-expression in certain cell types represents a new mechanism for activating PI3K/Akt signaling and promoting cell survival. It is a negative regulator of the mTORC1 and mTORC2 signaling pathways. DEPDC6 inhibits the kinase activity of both complexes. The antibody is specific to DEPDC6.

### Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mengmeng Cheng</td>
<td>27224622</td>
<td>Oncotarget</td>
<td>WB</td>
</tr>
<tr>
<td>Xiaoling Yu</td>
<td>27179148</td>
<td>Gene</td>
<td>WB</td>
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</table>

### 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:** Aliquoting is unnecessary for -20°C storage

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

- **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.
HeLa cells were subjected to SDS-PAGE followed by western blot with 20985-1-AP(DEPDC6/Deptor antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of HepG2 cells using 20985-1-AP(DEPDC6/Deptor antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.

Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using 20985-1-AP(DEPDC6/Deptor antibody at dilution of 1:200 (under 10x lens).