**Basic Information**

- **Catalog Number:** 16091-1-AP
- **Size:** 38 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG6875
- **GenBank Accession Number:** BC000432
- **GeneID (NCBI):** 1917
- **Full Name:** eukaryotic translation elongation factor 1 alpha 2
- **Calculated MW:** 50 kDa
- **Observed MW:** 50-53 kDa

**Recommended Dilutions:**
- WB: 1:500-1:2000
- IP: 0.5-4.0 μg for IP and 1:500-1:2000 for WB
- IHC: 1:20-1:200

**Applications**

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

**Background Information**

EEF1A2, also named as EEF1AL, STN and Statin-S1, belongs to the GTP-binding elongation factor family and EF-Tu/EF-1A subfamily. It promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. EEF1A2 may be critical in the development of ovarian cancer. The MW of EEF1A2 is 50-53kDa. This antibody can recognize both EEF1A1 and EEF1A2.

**Notable Publications**

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<thead>
<tr>
<th>Author</th>
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<tbody>
<tr>
<td>Xiaohong Huang</td>
<td>27880033</td>
<td>Proteomics</td>
<td>WB, IF</td>
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<tr>
<td>Faith C J Davies</td>
<td>28378778</td>
<td>Sci Rep</td>
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<tr>
<td>Vui-Kee Koon K</td>
<td>22531302</td>
<td>Kaochung J Med Sci</td>
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**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.**
Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 16091-1-AP (EEF1A2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

MCF7 cells were subjected to SDS PAGE followed by western blot with 16091-1-AP (EEF1A2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

Immunohistochemical of paraffin-embedded human ovary tumor using 16091-1-AP (EEF1A2 antibody) at dilution of 1:100 (under 40x lens).

IP Result of anti-EEF1A2 (IP:16091-1-AP, 4ug; Detection:16091-1-AP 1:1000) with mouse brain tissue lysate 4000ug.