**Basic Information**

- **Catalog Number:** 15126-1-AP
- **Size:** 48 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification

**Recommended Dilutions:**
- **WB:** 1:500-1:3000
- **IP:** 0.5-4.0 μg for IP and 1:500-1:2000 for WB
- **IHC:** 1:200
- **IF:** 1:50-1:500

**Applications**

- **Tested Applications:** FC, IF, IHC, IP, WB, ELISA
- **Cited Applications:** IF, IHC, WB

**Species Specificity:** human

**Cited Species:** human

**Note:** suggested antigen retrieval with TE buffer pH 9.0. (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

**Background Information**

Golgi phosphoprotein 2 (GOLPH2, also known as GP73 or GOLM1) is a resident Golgi type-II membrane protein. It is predominantly expressed in the epithelial cells of many human tissues. GOLPH2 traffics through endosomes and can be secreted into the circulation. Its expression is upregulated in a number of tumors and GOLPH2 could be a promising serum marker for hepatocellular carcinoma. We got 73 kDa in western blotting due to phosphorylation.

**Notable Publications**

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<tr>
<td>Xuewu Zhang</td>
<td>27697522</td>
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<td>T Wang</td>
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<td>Jia-Zhou Ye</td>
<td>25344288</td>
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**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**
**Selected Validation Data**

Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using 15126-1-AP (GP73/GOLPH2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunohistochemical of paraffin-embedded human liver cancer using 15126-1-AP(GP73/GOLPH2 antibody) at dilution of 1:100 (under 10x lens).

Immunofluorescent analysis of HeLa cells, using GOLM1 antibody 15126-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).

Immunohistochemical of paraffin-embedded human liver cancer using 15126-1-AP(GP73/GOLPH2 antibody) at dilution of 1:100 (under 40x lens).

HeLa cells were subjected to SDS PAGE followed by western blot with 15126-1-AP(GP73/GOLPH2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.


1X10^6 HeLa cells were stained with 0.2ug GP73/GOLPH2 antibody (15126-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.

![Graph Image](Image)