

**Product Name: KD-Validated GIPC1 Mouse Monoclonal Antibody****Catalog #: KVA00643**

For research use only.

**Summary**

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| <b>Description</b>  | KO&KD-Validated antibody                                                    |
| <b>Host</b>         | Mouse                                                                       |
| <b>Application</b>  | WB,FCM,ICC                                                                  |
| <b>Reactivity</b>   | Human,Mouse,Rat                                                             |
| <b>Conjugation</b>  | Unconjugated                                                                |
| <b>Modification</b> | Unmodified                                                                  |
| <b>Isotype</b>      | Mouse IgG1                                                                  |
| <b>Clonality</b>    | Mouse mAb                                                                   |
| <b>Form</b>         | Liquid                                                                      |
| <b>Storage</b>      | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>     | Ice bags                                                                    |
| <b>Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Purification</b> | Affinity purification                                                       |

**Application**

|                         |                                                         |
|-------------------------|---------------------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000 |
| <b>Molecular Weight</b> | Calculated MW: 36.0kDa                                  |

**Antigen Information**

|                          |                                                                                                                                                                                                                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | GIPC1<br>GIPC1; GIPC PDZ Domain Containing Family Member 1; TIP-2; GIPC; GLUT1CBP; SYNECTIN;<br>RGS19IP1; Hs.6454; C19orf3; SEMCAP; NIP; Regulator Of G-Protein Signalling 19 Interacting<br>Protein 1; PDZ Domain-Containing Protein GIPC1; GAIP C-Terminus-Interacting Protein;         |
| <b>Alternative Names</b> | RGS-GAIP-Interacting Protein; RGS19-Interacting Protein 1; Tax Interaction Protein 2; GIPC<br>PDZ Domain Containing Family, Member 1; IGF-1 Receptor Interacting Protein 1;<br>Chromosome 19 Open Reading Frame 3; GLUT1 C-Terminal Binding Protein; SYNECTIIN;<br>Synectin; IIP-1; OPDM2 |
| <b>Gene ID</b>           | 10755.0                                                                                                                                                                                                                                                                                   |
| <b>SwissProt ID</b>      | O14908                                                                                                                                                                                                                                                                                    |
| <b>Immunogen</b>         | Recombinant protein of human GIPC1                                                                                                                                                                                                                                                        |

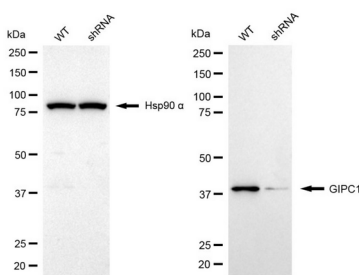
## Background

GIPC1 is a scaffolding protein that regulates cell surface receptor expression and trafficking (Lee et al., 2008 [PubMed 18775991]).[supplied by OMIM, Apr 2009]

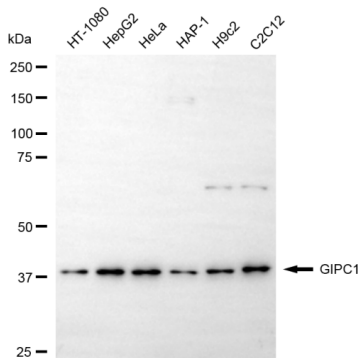
## Research Area

Signal Transduction

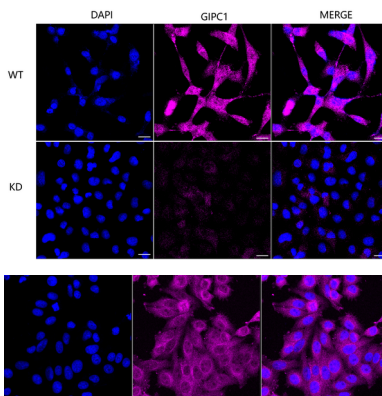
## Image Data



Western blotting analysis using GIPC1 antibody (KVA00643). GIPC1 expression in wild type (WT) and GIPC1 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with GIPC1 antibody (KVA00643, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.

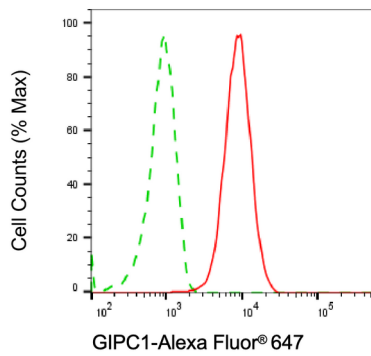


Western blotting analysis using GIPC1 antibody (KVA00643). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with GIPC1 antibody (KVA00643, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells using GIPC1 antibody (KVA00643, 1:1,000), Top panel: wild-type (WT); Bottom panel: GIPC1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; GIPC1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.

Immunocytochemical staining of HepG2 cells with GIPC1 antibody (KVA00643, 1:1,000). Nuclei were stained blue with DAPI; GIPC1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of GIPC1 expression in HepG2 cells using GIPC1 antibody (KVA00643, 1:2,000). Green, isotype control; red, GIPC1.