

## GIPC 1

**Cat.No. 319 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)**

### Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 (AP staining) <b>IP:</b> not tested yet <b>ICC:</b> not tested yet <b>IHC:</b> not tested yet <b>IHC-P/FFPE:</b> not tested yet
Immunogen	Recombinant protein corresponding to AA 1 to 72 from human GIPC1 (UniProt Id: O14908)
Reactivity	Reacts with: human (O14908), rat (Q9Z254), mouse (Q9Z0G0). Other species not tested yet.
Specificity	Specific for GIPC 1

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

**GIPC 1**, GIPC 2 and GIPC 3 constitute the GIPC gene family. All three proteins share a central PDZ domain and GIPC homology (GH1 and GH2) domains. GIPC 1 is ubiquitously expressed and may be involved in G-protein signaling.

### Selected General References

The PDZ protein GIPC regulates trafficking of the LPA1 receptor from APPL signaling endosomes and attenuates the cell's response to LPA.

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The type III TGF-beta receptor suppresses breast cancer progression through GIPC-mediated inhibition of TGF-beta signaling.  
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Carcinogenesis (2010) 31(2): 175-83.

The role of the PDZ protein GIPC in regulating NMDA receptor trafficking.  
Yi Z, Petralia RS, Fu Z, Swanwick CC, Wang YX, Prybylowski K, Sans N, Vicini S, Wenthold RJ  
The Journal of neuroscience : the official journal of the Society for Neuroscience (2007) 27(43): 11663-75.

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