

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 ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: not tested yet IHC: not tested yet IHC-P/FFPE: 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

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.
Varsano T, Taupin V, Guo L, Baterina OY, Farquhar MG
PloS one (2012) 7(11): e49227.

The type III TGF-beta receptor suppresses breast cancer progression through GIPC-mediated inhibition of TGF-beta signaling.
Lee JD, Hempel N, Lee NY, Blobe GC
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.

GIPC, a PDZ domain containing protein, interacts specifically with the C terminus of RGS-GAIP.
De Vries L, Lou X, Zhao G, Zheng B, Farquhar MG
Proceedings of the National Academy of Sciences of the United States of America (1998) 95(21): 12340-5.

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.