

# GIPC1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16086a

## Product Information

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<b>Application</b>	WB, FC, IHC-P-Leica, E
<b>Primary Accession</b>	<a href="#">O14908</a>
<b>Other Accession</b>	<a href="#">Q9Z254</a> , <a href="#">Q9Z0G0</a> , <a href="#">NP_974199.1</a> , <a href="#">NP_974196.1</a>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB35840
<b>Calculated MW</b>	36049
<b>Antigen Region</b>	52-81

## Additional Information

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<b>Gene ID</b>	10755
<b>Other Names</b>	PDZ domain-containing protein GIPC1, GAIP C-terminus-interacting protein, RGS-GAIP-interacting protein, RGS19-interacting protein 1, Synectin, Tax interaction protein 2, TIP-2, GIPC1, C19orf3, GIPC, RGS19IP1
<b>Target/Specificity</b>	This GIPC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 52-81 amino acids from the N-terminal region of human GIPC1.
<b>Dilution</b>	WB~~1:2000 FC~~1:25 IHC-P-Leica~~1:500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	GIPC1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	GIPC1
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<b>Synonyms</b>	C19orf3, GIPC, RGS19IP1
<b>Function</b>	May be involved in G protein-linked signaling.
<b>Cellular Location</b>	Cytoplasm. Membrane; Peripheral membrane protein
<b>Tissue Location</b>	Widely expressed (PubMed:9770488). Expressed in skeletal muscle (at protein level) (PubMed:32413282)

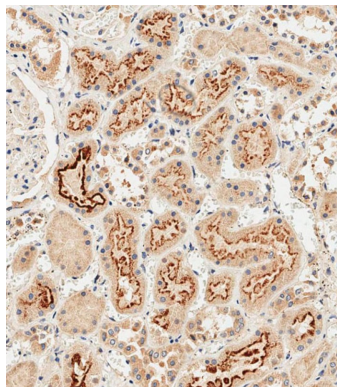
## Background

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

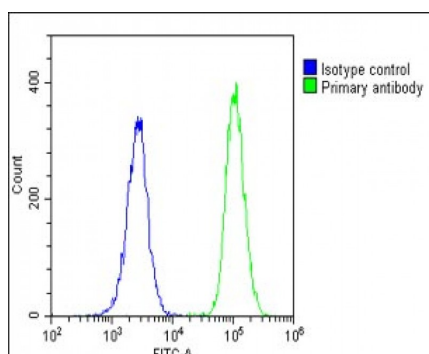
## References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Wu, D., et al. J. Biol. Chem. 285(37):28643-28650(2010)  
Razanskas, R., et al. Arch. Virol. 155(2):247-250(2010)  
Puri, C., et al. Oncogene 29(2):188-200(2010)  
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

## Images

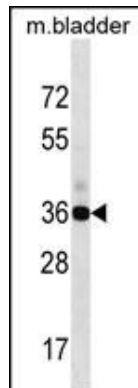
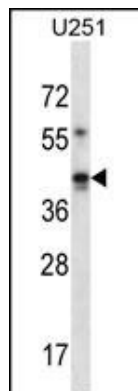


Immunohistochemical analysis of paraffin-embedded human kidney tissue using AP16086a performed on the Leica® BOND RXm. Samples were incubated with primary antibody(1/500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Overlay histogram showing U-2 OS cells stained with AP16086a(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP16086a, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10, 000 events was performed.

GIPC1 Antibody (N-term) (Cat. #AP16086a) western blot analysis in U251 cell line lysates (35ug/lane). This demonstrates the GIPC1 antibody detected the GIPC1 protein (arrow).



GIPC1 Antibody (N-term) (Cat. #AP16086a) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the GIPC1 antibody detected the GIPC1 protein (arrow).

## Citations

- [The adaptor protein GIPC1 stabilizes the scavenger receptor SR-B1 and increases its cholesterol uptake](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.