10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GIPC1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16086a

Product Information

Application	WB, FC, IHC-P-Leica, E
Primary Accession	O14908
Other Accession	Q9Z254, Q9Z0G0, NP_974199.1, NP_974196.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35840
Calculated MW	36049
Antigen Region	52-81

Additional Information

Gene ID	10755
Other Names	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
Target/Specificity	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.
Dilution	WB~~1:2000 FC~~1:25 IHC-P-Leica~~1:500 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	GIPC1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GIPC1

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

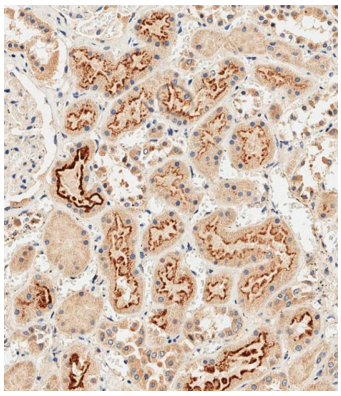
Background

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

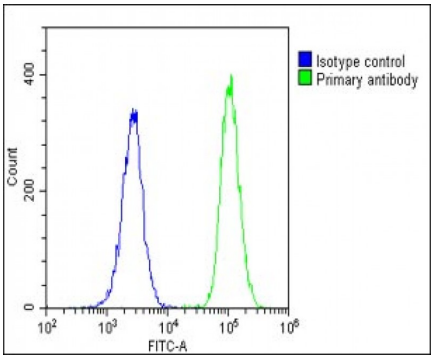
References

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

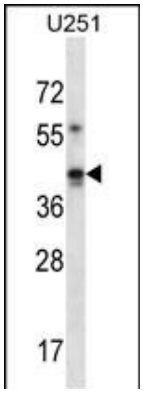


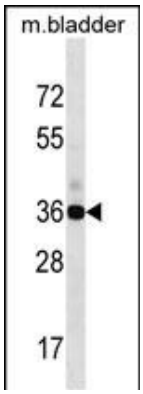
Immunohistochemical analysis of paraffin-embedded human kidney tissue using AP16086a performed on the Leica® BOND RXm. Samples were incubated with primary antibody(1/500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



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 icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP16086a, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 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'.