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GIPC1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16086a

Specification

GIPC1 Antibody (N-term) - 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, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**52-81**

GIPC1 Antibody (N-term) - 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.

GIPC1 Antibody (N-term) - Protein Information

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Name GIPC1

Synonyms C19orf3, GIPC, RGS19IP1

Function May be involved in G protein-linked signaling.

Cellular Location
Cytoplasm. Membrane; Peripheral membrane protein

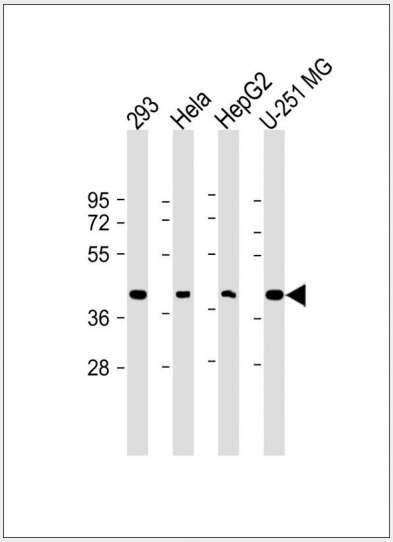
Tissue Location
Widely expressed (PubMed:9770488). Expressed in skeletal muscle (at protein level) (PubMed:32413282)

GIPC1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GIPC1 Antibody (N-term) - Images



All lanes : Anti-GIPC1 Antibody (N-term) at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: Hela whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: U-251 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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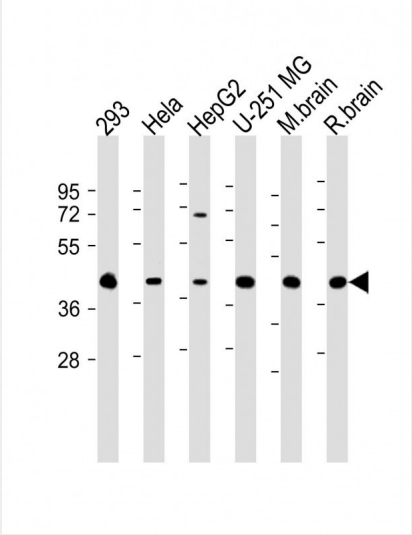
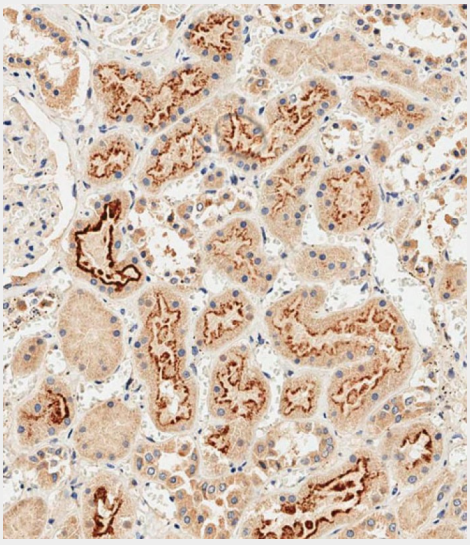


All lanes : Anti-GIPC1 Antibody (N-term) at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: Hela whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: U-251 MG whole cell lysate Lane 5: Mouse brain lysate Lane 6: Rat brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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.

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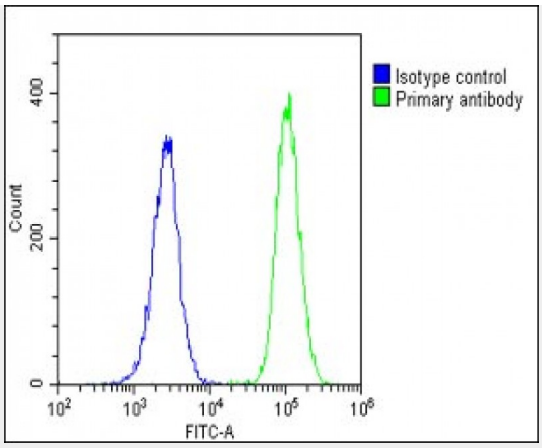

Overlay histogram showing U-2 OS cells stained with AP16086a(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by 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) - Background

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

GIPC1 Antibody (N-term) - 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)

GIPC1 Antibody (N-term) - Citations

- The adaptor protein GIPC1 stabilizes the scavenger receptor SR-B1 and increases its cholesterol uptake