

**GATSL2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19129a****Specification**

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**GATSL2 Antibody (N-term) - Product Information**

Application	WB, IHC-P-Leica,E
Primary Accession	<a href="#">A6NHX0</a>
Other Accession	<a href="#">Q8NAP1</a> , <a href="#">Q5BJZ0</a> , <a href="#">Q9CWO8</a> , <a href="#">Q8WTX7</a> , <a href="#">Q0V8A3</a> , <a href="#">Q8CAB8</a> , <a href="#">A6NHX0</a> , <a href="#">Q6DDW7</a> , <a href="#">NP_001138535.1</a>
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	25-51

**GATSL2 Antibody (N-term) - Additional Information****Gene ID** 729438**Other Names**

GATS-like protein 2, GATL2

**Target/Specificity**

This GATSL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 25-51 amino acids from the N-terminal region of human GATSL2.

**Dilution**

WB~~1:1000

IHC-P-Leica~~1:250

**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**

GATSL2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GATSL2 Antibody (N-term) - Protein Information****Name** CASTOR2 {ECO:0000303|PubMed:26972053, ECO:0000312|HGNC:HGNC:37073}

**Function** Functions as a negative regulator of the TORC1 signaling pathway through the GATOR complex. As part of homodimers or heterodimers with CASTOR1, directly binds and inhibits the GATOR subcomplex GATOR2 and thereby mTORC1. Does not directly bind arginine, but binding of arginine to CASTOR1 disrupts the interaction of CASTOR2- containing heterodimers with GATOR2 which can in turn activate mTORC1 and the TORC1 signaling pathway.

**Cellular Location**

Cytoplasm, cytosol.

**Tissue Location**

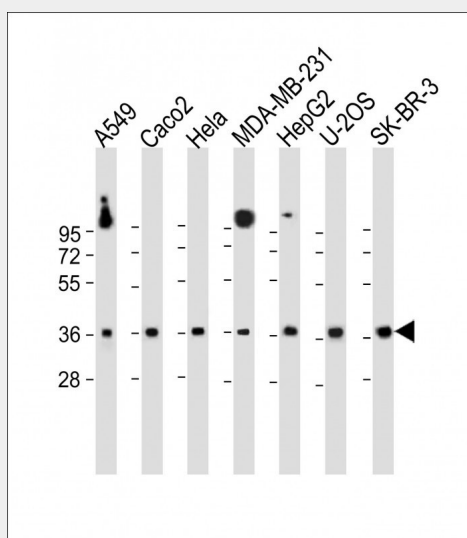
Widely expressed..

**GATSL2 Antibody (N-term) - Protocols**

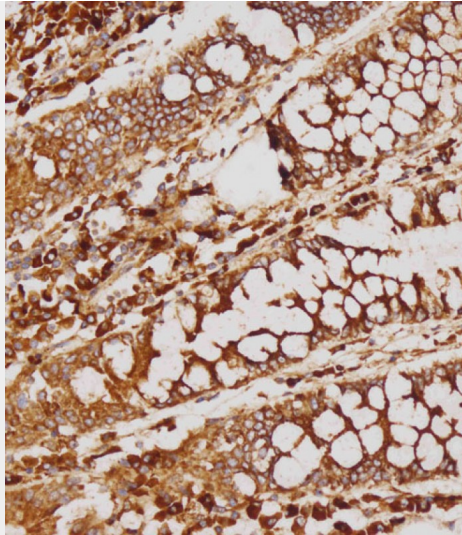
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

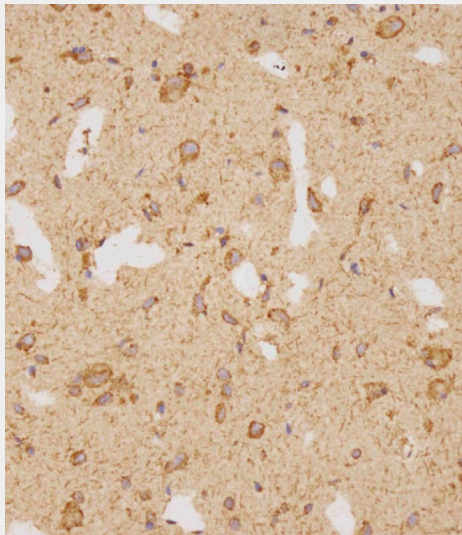
**GATSL2 Antibody (N-term) - Images**



All lanes : Anti-GATSL2 Antibody (N-term) at 1:1000 dilution Lane 1: A549 whole cell lysate Lane 2: Caco2 whole cell lysate Lane 3: Hela whole cell lysate Lane 4: MDA-MB-231 whole cell lysate Lane 5: HepG2 whole cell lysate Lane 6: U-2OS whole cell lysate Lane 7: SK-BR-3 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.



Immunohistochemical analysis of AP19129a on paraffin-embedded human colon tissue was performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:250) for 15min at room temperature. Leica Bond Polymer Refine Detection was used as the secondary antibody.



Immunohistochemical analysis of AP19129a on paraffin-embedded human brain tissue was performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:250) for 15min at room temperature. Leica Bond Polymer Refine Detection was used as the secondary antibody.

#### **GATSL2 Antibody (N-term) - Background**

The function of this protein remains unknown.

#### **GATSL2 Antibody (N-term) - References**

Hillier, L.W., et al. Nature 424(6945):157-164(2003)