

# GATSL1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19129a

## Product Information

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<b>Application</b>	IHC-P-Leica, WB, E
<b>Primary Accession</b>	<a href="#">A6Nhx0</a>
<b>Other Accession</b>	<a href="#">Q8NAP1</a> , <a href="#">Q5BjZ0</a> , <a href="#">Q9CWQ8</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>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Xenopus, Mouse, Bovine, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB30525
<b>Calculated MW</b>	36056
<b>Antigen Region</b>	25-51

## Additional Information

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<b>Gene ID</b>	729438
<b>Other Names</b>	GATS-like protein 1, GATSL1
<b>Target/Specificity</b>	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.
<b>Dilution</b>	IHC-P-Leica~~1:250 WB~~1:1000 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>	GATSL1 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>	CASTOR2 {ECO:0000303   PubMed:26972053, ECO:0000312   HGNC:HGNC:37073}
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**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..

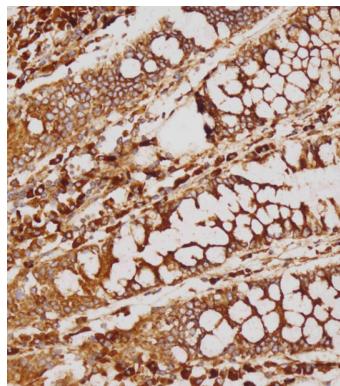
## Background

The function of this protein remains unknown.

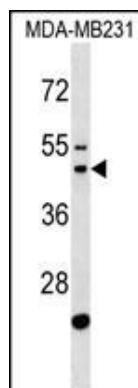
## References

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

## Images



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.



GATSL1 Antibody (N-term) (Cat. #AP19129a) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the GATSL1 antibody detected the GATSL1 protein (arrow).

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