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GATSL1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19129a

Product Information

Application	IHC-P-Leica, WB, E
Primary Accession	A6NHX0
Other Accession	Q8NAP1, Q5BJZ0, Q9CWQ8, Q8WTX7, Q0V8A3, Q8CAB8, A6NHX0, Q6DDW7, NP_001138535.1
Reactivity	Human, Mouse
Predicted	Xenopus, Mouse, Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30525
Calculated MW	36056
Antigen Region	25-51

Additional Information

Gene ID	729438
Other Names	GATS-like protein 1, GATSL1
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	IHC-P-Leica~~1:250 WB~~1:1000 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	GATSL1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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..

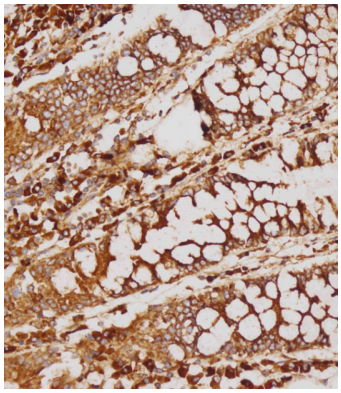
Background

The function of this protein remains unknown.

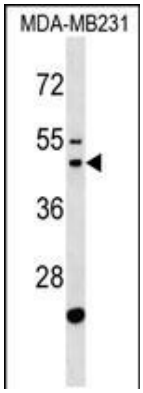
References

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'.