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ATHL1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4984b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q32M88
Other Accession	NP_079368
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	80655
Antigen Region	688-716

Additional Information

Gene ID	80162
Other Names	Acid trehalase-like protein 1, 321-, ATHL1
Target/Specificity	This ATHL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 688-716 amino acids from the C-terminal region of human ATHL1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	ATHL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

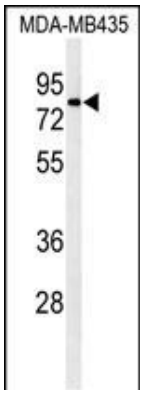
Protein Information

Name	PGGHG {ECO:0000303|PubMed:26682924, ECO:0000312|HGNC:HGNC:26210}
Function	Catalyzes the hydrolysis of glucose from the disaccharide unit linked to hydroxylysine residues of collagen and collagen-like proteins.

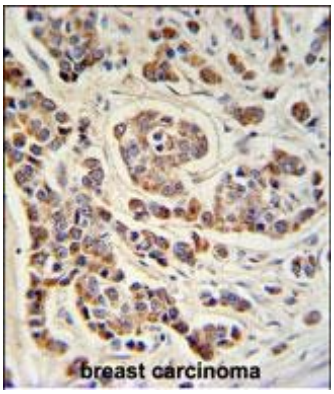
References

Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009)
Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)

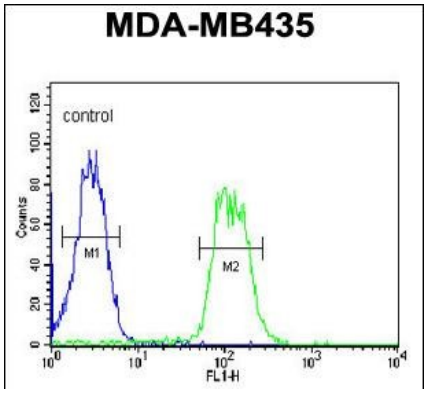
Images



Western blot analysis of ATHL1 Antibody (C-term) (Cat. #AP4984b) in MDA-MB435 cell line lysates (35ug/lane). ATHL1 (arrow) was detected using the purified Pab.



ATHL1 Antibody (C-term) (Cat. #AP4984b) IHC analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ATHL1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



ATHL1 Antibody (C-term) (Cat. #AP4984b) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- Glycosylation-related gene expression is linked to differentiation status in glioblastomas undifferentiated cells.