

ATP13A3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5938a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9H7F0
Other Accession	NP_078800.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27285
Calculated MW	138043
Antigen Region	101-129

Additional Information

Gene ID	79572
Other Names	Probable cation-transporting ATPase 13A3, 363-, ATPase family homolog up-regulated in senescence cells 1, ATP13A3, AFURS1
Target/Specificity	This ATP13A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 101-129 amino acids from the N-terminal region of human ATP13A3.
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	ATP13A3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ATP13A3 {ECO:0000303 PubMed:33310703, ECO:0000312 HGNC:HGNC:24113}
Function	ATP-driven pump involved in endocytosis-dependent polyamine transport.

Uses ATP as an energy source to transfer polyamine precursor putrescine from the endosomal compartment to the cytosol.

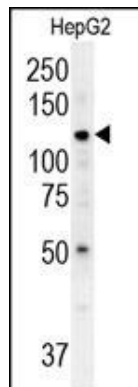
Cellular Location

Recycling endosome membrane; Multi-pass membrane protein. Early endosome membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Note=Mainly targeted to the recycling endosomes and to a lesser extent to the early and late endosomes

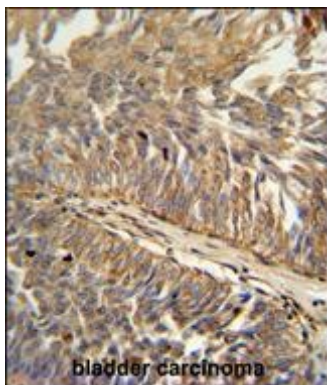
Tissue Location

Broadly expressed..

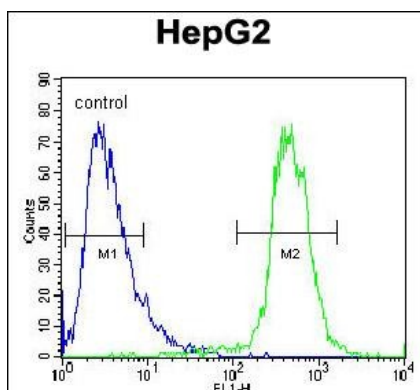
Images



ATP13A3 Antibody (N-term) (Cat. #AP5938a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the ATP13A3 antibody detected the ATP13A3 protein (arrow).



ATP13A3 antibody (N-term) (Cat. #AP5938a) immunohistochemistry analysis in formalin fixed and paraffin embedded human bladder carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ATP13A3 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



ATP13A3 Antibody (N-term) (Cat. #AP5938a) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- [ATP13A3 and caveolin-1 as potential biomarkers for difluoromethylornithine-based therapies in pancreatic cancers.](#)

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