

# LAPTM4A Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP13816a

#### **Product Information**

**Application** WB, E **Primary Accession** Q15012 NP 055528.1 Other Accession Reactivity Mouse Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB32601 **Calculated MW** 26801 1-30 **Antigen Region** 

#### **Additional Information**

**Gene ID** 9741

Other Names Lysosomal-associated transmembrane protein 4A, Golgi

4-transmembrane-spanning transporter MTP, LAPTM4A, KIAA0108, LAPTM4,

MBNT, MTRP

Target/Specificity This LAPTM4A antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 1-30 amino acids from the N-terminal

region of human LAPTM4A.

**Dilution** 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** LAPTM4A Antibody (N-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

#### **Protein Information**

Name LAPTM4A

**Synonyms** KIAA0108, LAPTM4, MBNT, MTRP

**Function** May function in the transport of nucleosides and/or nucleoside derivatives

between the cytosol and the lumen of an intracellular membrane-bound

compartment.

**Cellular Location** Endomembrane system; Multi-pass membrane protein. Note=May reside in

an intracellular membrane-bound compartment.

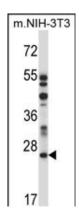
## **Background**

This gene encodes a protein that has four predicted transmembrane domains. The function of this gene has not yet been determined; however, studies in the mouse homolog suggest a role in the transport of small molecules across endosomal and lysosomal membranes.

#### References

Rikova, K., et al. Cell 131(6):1190-1203(2007) Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003) Tomarev, S.I., et al. Invest. Ophthalmol. Vis. Sci. 44(6):2588-2596(2003) Hoja, M.R., et al. Exp. Cell Res. 259(1):239-246(2000) Hogue, D.L., et al. J. Biol. Chem. 271(16):9801-9808(1996)

### **Images**



LAPTM4A Antibody (N-term) (Cat. #AP13816a) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the LAPTM4A antibody detected the LAPTM4A protein (arrow).

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