

## Rabbit LAPTM4A Polyclonal Antibody | anti-LAPTM4A antibody

Anti-LAPTM4A Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY                                                                                                            | APPLICATIONS         |
|-----------|--------|-----------------------------------------------------------------------------------------------------------------------|----------------------|
| AAA254913 | Rabbit | Human, Rat<br>Predicted to React with: Mouse, Cynomolgus (Species predicted to react based on 100% sequence homology) | Immunohistochemistry |

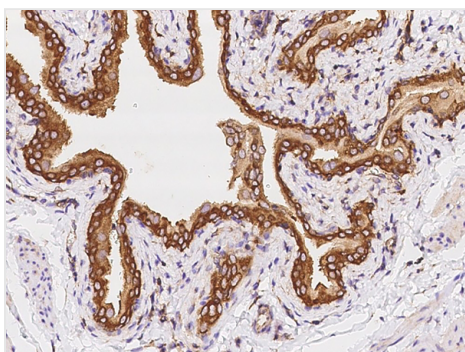
### PRODUCT SYNONYMS

LAPTM4A; Polyclonal Antibody; Anti-LAPTM4A Antibody; Rabbit Polyclonal; LAPTM4A Antibody; Rabbit PAb; Antigen Affinity Purified; lysosomal protein transmembrane 4 alpha; Anti-HUMORF13 Antibody; Anti-LAPTM4 Antibody; Anti-MBNT Antibody; Anti-Mtrp Antibody; anti-LAPTM4A antibody

### PRODUCT SPECIFICATIONS

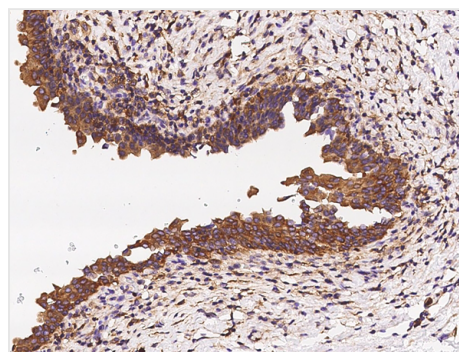
|                                                   |                                                                                                                                                                                                                                                    |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                        | Human, Rat<br>Predicted to React with: Mouse, Cynomolgus (Species predicted to react based on 100% sequence homology)                                                                                                                              |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                           | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                       | Human LAPTM4A                                                                                                                                                                                                                                      |
| Purity/Purification                               | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                       | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-LAPTM4A antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                         |
| Immunogen                                         | A synthetic peptide corresponding to the center region of the Human LAPTM4A                                                                                                                                                                        |
| Conjugation                                       | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                       | Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human LAPTM4A, and purified by antigen affinity chromatography.                                                                                   |
| Preparation and Storage                           | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |

### IMAGES



IHC (Immunohistochemistry)

Immunochemical staining LAPTM4A in rat bladder with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining LAPTM4A in human bladder with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-LAPTM4A antibody | LAPTM4A (Lysosomal Protein Transmembrane 4 Alpha) is a Protein Coding gene. This gene encodes a protein that has four predicted transmembrane domains. It belongs to the LAPTM4/LAPTM5 transporter family. Studies in the mouse homolog suggest a role in the transport of small molecules across endosomal and lysosomal membranes. Screening within a mating-based split-ubiquitin-yeast-two-hybrid system (mBSUS) revealed the LAPTM4A as a potential interacting protein. Interaction of LAPTM4A and hOCT2 was confirmed by pulldown assays, FRET microscopy analysis, and immunofluorescence microscopy.LAPTM4A has been identified as an interaction partner of hOCT2. LAPTM4A regulates the function of hOCT2 by influencing its trafficking to/from the cell membrane and processing it via the intracellular sorting machinery. |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| NCBI GI #                        | 7661916                                       |
| NCBI GeneID                      | 9741                                          |
| NCBI Accession #                 | NP_055528.1                                   |
| NCBI GenBank Nucleotide #        | NM_014713.4                                   |
| UniProt Accession #              | Q15012; Q6UW22                                |
| Molecular Weight                 | 26,801 Da                                     |
| NCBI Official Full Name          | lysosomal-associated transmembrane protein 4A |
| NCBI Official Synonym Full Names | lysosomal protein transmembrane 4 alpha       |
| NCBI Official Symbol             | LAPTM4A                                       |
| NCBI Official Synonym Symbols    | MBNT; Mtrp; LAPTM4; HUMORF13                  |
| NCBI Protein Information         | lysosomal-associated transmembrane protein 4A |
| UniProt Protein Name             | Lysosomal-associated transmembrane protein 4A |
| UniProt Gene Name                | LAPTM4A                                       |
| UniProt Synonym Gene Names       | KIAA0108; LAPTM4; MBNT; MTRP                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/laptm4a-antibody-immunohistochemistry-elisa/254913>