# LAMP2 / CD107b Antibody, Rabbit PAb, Antigen Affinity Purified

**General Information**

<table>
<thead>
<tr>
<th>Immunoegen:</th>
<th>Recombinant Human LAMP2 / CD107b Protein (Catalog#13555-H08H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rabbit IgG:</td>
<td>Rabbit IgG</td>
</tr>
<tr>
<td>Applications:</td>
<td>WB, IHC-P, ICC/IF, IF, IP</td>
</tr>
<tr>
<td>Specificity:</td>
<td>Human LAMP2 / CD107b</td>
</tr>
<tr>
<td>Formulation:</td>
<td>0.2 μm filtered solution in PBS</td>
</tr>
<tr>
<td>Storage:</td>
<td>&lt; -20°C</td>
</tr>
</tbody>
</table>

## Preparation

Produced in rabbits immunized with purified, recombinant Human LAMP2 / CD107b (rh LAMP2 / CD107b; Catalog#13555-H08H; NP_054701.1; Met1-Ile375). LAMP2 / CD107b specific IgG was purified by Human LAMP2 / CD107b affinity chromatography.

## Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. **Preservative-Free.** Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. **Avoid repeated freeze-thaw cycles.**

## Background

LAMP2 (Lysosomal-associated membrane protein 2), also known as CD107b (Cluster of Differentiation 107b), is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. In human, LAMP2, the causative gene of Danon disease, located on chromosome Xq24, encodes the lysosome-associated membrane protein-2 (LAMP-2). LAMP-2 deficiency, or Danon disease, is a rare X-linked lysosomal disease characterized by cardiomyopathy, vacuolar myopathy, and mental retardation. LAMP2 cardiomyopathy is an X-linked and highly progressive myocardial disease. This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. **Preservative-Free.** Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. **Avoid repeated freeze-thaw cycles.** Disease associated with diminished survival, which clinically resembles sarcomeric hypertrophic cardiomyopathy.

## Reference


LAMP2 / CD107b Antibody, Rabbit PAb, Antigen Affinity Purified

Catalog Number: 13555-T46

Applications

Immunochemistry –
IHC-P: 0.1-2 μg/mL

Western blot –
WB: 5-10 μg/ml

Immunoprecipitation –
IP: 0.5-2 uL/mg of lysate
LAMP2 / CD107b Antibody, Rabbit PAb, Antigen Affinity Purified

Catalog Number: 13555-T46

Applications

*Immunohistochemistry –*

ICC/IF: 1-2.5 μg/mL

Immunofluorescence staining of LAMP2 in A431 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human LAMP2 polyclonal antibody (1 μg/ml) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.