

## Basic Information

<b>Product Name</b>	Anti-LAMP2 Antibody
<b>Gene Name</b>	LAMP2
<b>Source</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human
<b>Tested Application</b>	WB, ELISA
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.
<b>Immunogen</b>	E.coli-derived human LAMP2 recombinant protein (Position: D128-F410).
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Immunogen affinity purified.
<b>Observed MW</b>	100-120 kDa
<b>Dilution Ratios</b>	Western blot (WB):1:500-2000 ELISA: 1:100-1000

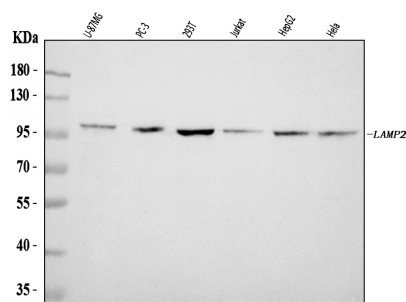
## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

Lysosome-associated membrane protein 2 (LAMP2), also known as CD107b (Cluster of Differentiation 107b) and Mac-3, is a human gene. Its protein, LAMP2, is one of the lysosome-associated membrane glycoproteins. The protein encoded by this gene is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may play a role in tumor cell metastasis. It may also function in the protection, maintenance, and adhesion of the lysosome. Alternative splicing of this gene results in multiple transcript variants encoding distinct proteins.

## Selected Validation Data



Western blot analysis of LAMP2 using anti-LAMP2 antibody

(A01573-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: U-87MG whole cell lysates,

Lane 2: PC-3 whole cell lysates,

Lane 3: 293T whole cell lysates,

Lane 4: Jurkat whole cell lysates,

Lane 5: HepG2 whole cell lysates,

Lane 6: Hela whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-LAMP2 antigen affinity purified polyclonal antibody (A01573-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for LAMP2 at approximately 100-120 kDa. The expected band size for LAMP2 is at 46 kDa.