

## Product Datasheet

### Anti-LAMP-2 Rabbit pAb



For Research Use Only. Not For Use In Diagnostic Procedures

WL02761

#### Product Information

Product name	Anti-LAMP-2 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC	1:100-1:400
	IF	1:200
Cellular localization	Cell membrane. Endosome membrane. Lysosome membrane	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

#### General Information

**Background**  
 Lysosome-associated membrane protein 2 (LAMP2) also known as CD107b, is one of the lysosome-associated membrane glycoproteins. LAMP2 has been specifically implicated in tumor cell metastasis. Both LAMP1 and LAMP2 have been found expressed on the surface of cancerous tumors, specifically in cells of highly metastatic cancer such as colon cancer and melanoma. Some of the functions of LAMP2 are believed to be protecting the lysosomal membrane from proteolytic enzymes that are within the lysosome itself (as in autodigestion), acting as a receptor into the lysosome for proteins, adhesion (when expressed on the outside surface of the plasma membrane) and signal transduction, both inter- and intra-. It also provides protection for the cell from methylating mutagens.

**Immunogen**  
 Polyclonal antibody is produced by immunizing animals with a synthetic peptide of LAMP-2.

**Purification**  
 Polyclonal antibody was purified by immunogen affinity chromatography.

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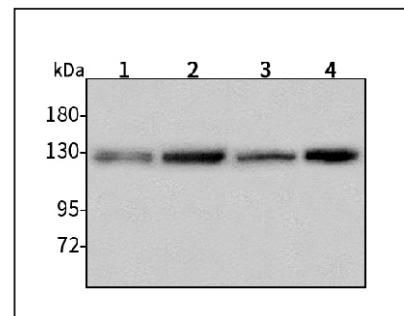
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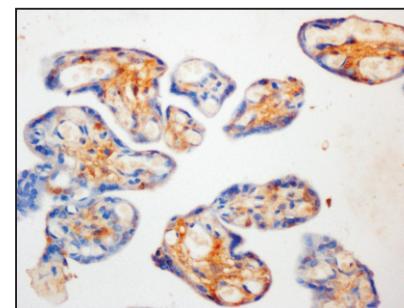
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#### Product Images



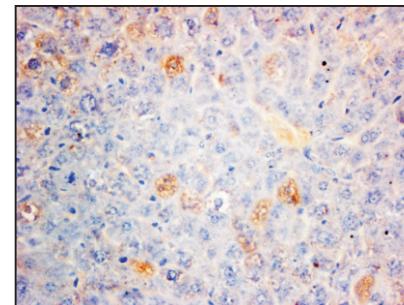
##### Western blot-Anti-LAMP-2 pAb

Lane 1: Human HepG2 cell lysate  
 Lane 2: Human Hela cell lysate  
 Lane 3: Human BGC-823 cell lysate  
 Lane 4: Human MGC-803 cell lysate  
 All lanes: Anti-LAMP-2 at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 45 kDa  
 Observed band size: 120 kDa



##### Immunohistochemistry-Anti-LAMP-2 pAb

Immunohistochemical analysis of paraffin-embedded human placenta using anti-LAMP-2 Rabbit Antibody at 1:200 dilution.  
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



##### Immunohistochemistry-Anti-LAMP-2 pAb

Immunohistochemical analysis of paraffin-embedded mouse liver using anti-LAMP-2 Rabbit Antibody at 1:200 dilution.  
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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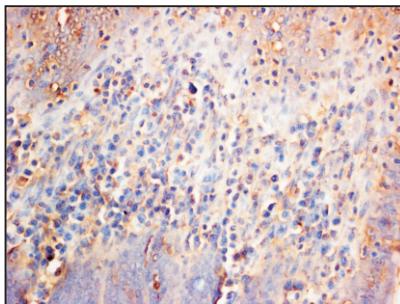
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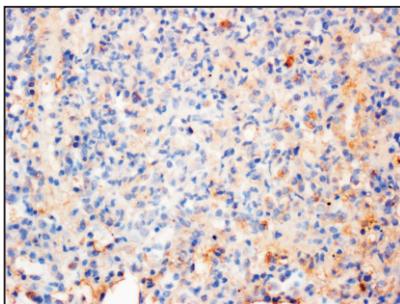
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#### Immunohistochemistry-Anti-LAMP-2 pAb

Immunohistochemical analysis of paraffin-embedded rat colon using anti-LAMP-2 Rabbit Antibody at 1:200 dilution.

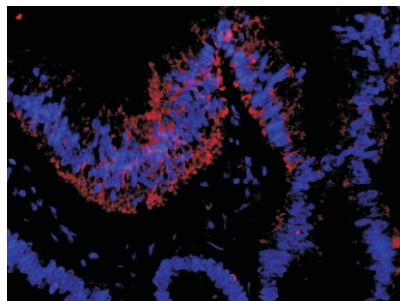
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



#### Immunohistochemistry-Anti-LAMP-2 pAb

Immunohistochemical analysis of paraffin-embedded rat lung using anti-LAMP-2 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



#### Immunofluorescence-Anti-LAMP-2 pAb

Immunofluorescence analysis of paraffin-embedded human rectal cancer using anti-LAMP-2 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

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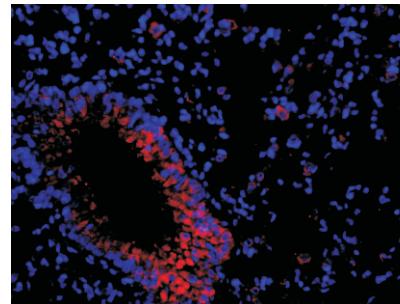
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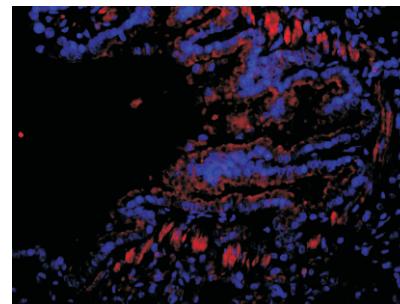
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#### Immunofluorescence-Anti-LAMP-2 pAb

Immunofluorescence analysis of paraffin-embedded mouse lung using anti-LAMP-2 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



#### Immunofluorescence-Anti-LAMP-2 pAb

Immunofluorescence analysis of paraffin-embedded rat lung using anti-LAMP-2 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.