

**Lysosomal Associated Membrane Protein 1 (LAMP1) Antibody**  
**Mouse monoclonal antibody**  
**Catalog # AN1239****Specification**

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**Lysosomal Associated Membrane Protein 1 (LAMP1) Antibody - Product Information**

Application	IF, WB
Primary Accession	<a href="#">P11279</a>
Reactivity	Bovine, Human, Mouse, Rat
Host	Mouse
Clonality	monoclonal
Isotype	IgG1

**Lysosomal Associated Membrane Protein 1 (LAMP1) Antibody - Additional Information**

Gene ID	3916
Gene Name	LAMP1

**Other Names**

Lysosome-associated membrane glycoprotein 1, LAMP-1, Lysosome-associated membrane protein 1, CD107 antigen-like family member A, CD107a, LAMP1

**Target/Specificity**

Recombinant full length human LAMP1 expressed in and purified from E. coli.

**Dilution**

IF~~ 1:2000

WB~~ 1:5000

**Format**

Affinity purified from tissue culture supernatant.

**Antibody Specificity**

Specific for the ~100k LAMP1 protein.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Lysosomal Associated Membrane Protein 1 (LAMP1) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**

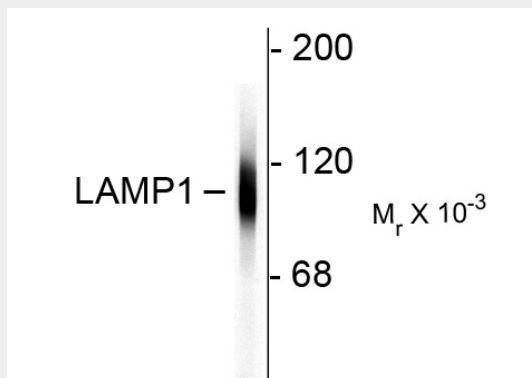
Blue Ice

**Lysosomal Associated Membrane Protein 1 (LAMP1) Antibody - Protocols**

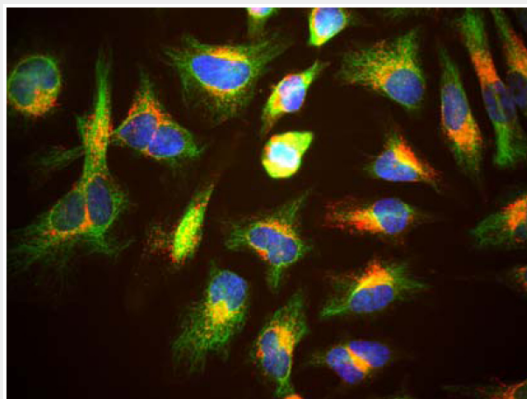
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Lysosomal Associated Membrane Protein 1 (LAMP1) Antibody - Images**



Western blot of HeLa lysate showing specific immunolabeling of the ~ 100k LAMP1 protein.



Immunofluorescence of HeLa cells showing strong punctate cytoplasmic labeling of LAMP1 corresponding to lysosomes and late endosomes in red.

### **Lysosomal Associated Membrane Protein 1 (LAMP1) Antibody - Background**

Lysosomal Associated Membrane Protein1 (LAMP1) is a protein that is localized primarily in lysosomes but may also be present on late endosomes and the plasma membrane. LAMP1 antibodies are therefore widely used as lysosome markers. It has recently been suggested that lysosomes are activated in microglia in the progression of multiple system atrophy (MSA) and thus play a key role in its pathology (Makioka et al., 2012).

### **Lysosomal Associated Membrane Protein 1 (LAMP1) Antibody - References**

Makioka K, Yamazaki T, Takatama M, Nakazato Y, Okamoto K. (2012) Activation and alteration of lysosomes in multiple system atrophy. *Neuroreport*. Mar 28;23(5):270-6.