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

Specification

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

Application	**IF, WB**
Primary Accession	P11279
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.

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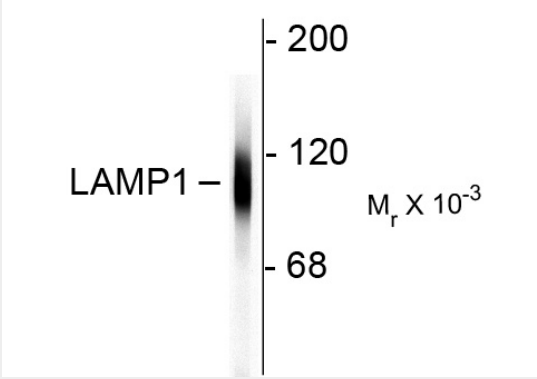
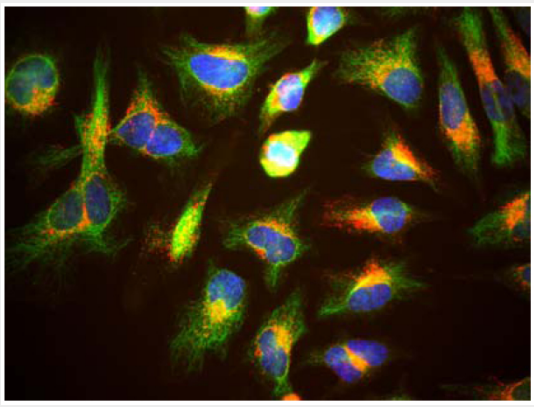
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.