

Product datasheet

Anti-LAMP1 antibody [LY1C6] ab13523

★☆☆☆☆ [3 Abreviews](#) [26 References](#) [3 Images](#)

Overview

Product name	Anti-LAMP1 antibody [LY1C6]
Description	Mouse monoclonal [LY1C6] to LAMP1
Host species	Mouse
Tested applications	Suitable for: ICC, WB
Species reactivity	Reacts with: Rat, Human
Immunogen	Tissue, cells or virus corresponding to Rat LAMP1. Rat liver lysosomal membrane preparations
Positive control	Highly purified rat lysosomal membrane preparations.
General notes	<p>For maximum product recovery centrifuge the product vial before removing cap.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Protein G purified
Clonality	Monoclonal
Clone number	LY1C6
Isotype	IgG1

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab13523 in the following tested applications.

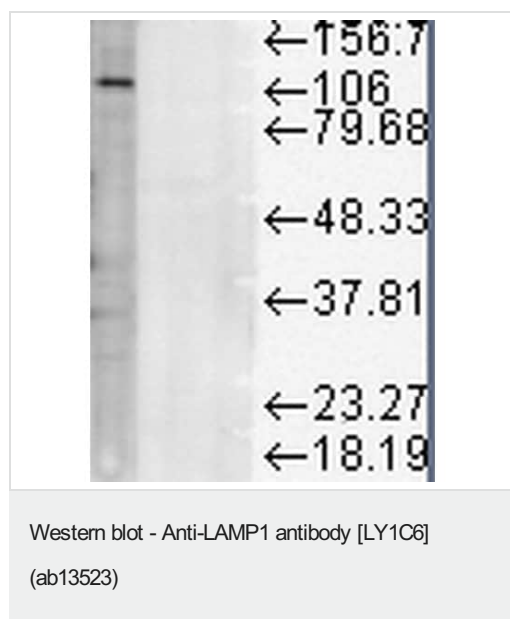
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC	★☆☆☆☆ (1)	Use at an assay dependent concentration.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 120 kDa.

Target

Function	Presents carbohydrate ligands to selectins. Also implicated in tumor cell metastasis.
Sequence similarities	Belongs to the LAMP family.
Post-translational modifications	O- and N-glycosylated; some of the 18 N-linked glycans are polylactosaminoglycans.
Cellular localization	Cell membrane. Endosome membrane. Lysosome membrane. This protein shuttles between lysosomes, endosomes, and the plasma membrane.

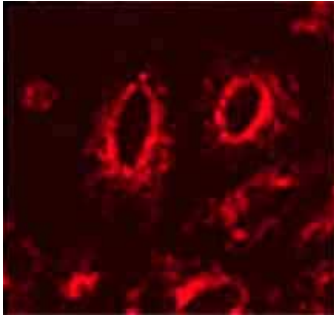
Images



Anti-LAMP1 antibody [LY1C6] (ab13523) at 1/1000 dilution + Rat liver microsome lysate at 15 µg

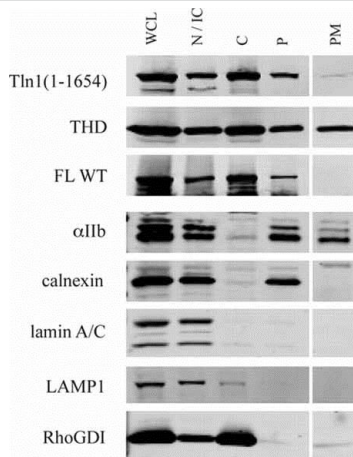
Secondary

Sheep Anti-Mouse IgG: HRP



Immunocytochemistry - Anti-LAMP1 antibody
[LY1C6] (ab13523)

ab13523 at 1/100 dilution staining LAMP1 in LAMP1 transfected HeLa cells by Immunocytochemistry/ immunofluorescence. A Alexa Fluor® 568 conjugated goat anti mouse was used at 1/50 dilution as secondary.



Western blot - Anti-LAMP1 antibody [LY1C6]
(ab13523)

Image from Banno A et al, J Biol Chem. 2012 Apr 20;287(17):13799-812. Epub 2012 Feb 18, Fig 4. DOI 10.1074/jbc.M112.341214 April 20, 2012 The Journal of Biological Chemistry, 287, 13799-13812.

ab13523 used in Western Blot. Lysates prepared from CHO cells stably expressing αIIbβ3 integrins (A5 cells) were used. WCL, N/IC, C, P, and PM indicate whole cell lysates, nuclear/intact cell, cytosolic, high-speed pellet, and plasma membrane fractions, respectively.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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