

# Anti-LAMP2 antibody [GL2A7] ab13524

★★★★★ [13 Abreviews](#) [182 References](#) [2 图像](#)

## 概述

产品名称	Anti-LAMP2抗体[GL2A7]
描述	大鼠单克隆抗体[GL2A7] to LAMP2
宿主	Rat
经测试应用	适用于: IHC-Fr, ICC, ICC/IF, IHC-FoFr, IP, Flow Cyt, WB, IHC-P
种属反应性	与反应: Mouse, Rabbit, Human
免疫原	Tissue, cells or virus corresponding to Mouse LAMP2. Purified preparation of mouse liver lysosomal membranes.
阳性对照	WB: HEK-293 and NIH/3T3 cell lysate.
常规说明	For maximum product recovery, after thawing, centrifuge the product vial before removing cap.  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.  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

## 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol
纯度	Protein G purified
克隆	单克隆
克隆编号	GL2A7
同种型	IgG

## 应用

## The Abpromise guarantee

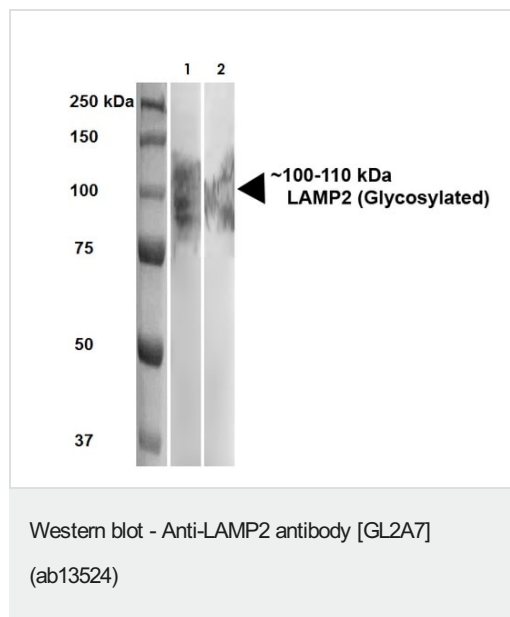
**Abpromise™** 承诺保证使用ab13524于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr	★★★★★ (2)	Use at an assay dependent concentration.
ICC		Use at an assay dependent concentration. Fix cells with methanol or with paraformaldehyde-lysine-periodate formulation. If the latter is used, permeabilize with saponin, not with Triton X-100 or NP-40. The antibody will label the presumptive lysosomes and late endosomes in cells that have been permeabilized with saponin 0.01%.
ICC/IF	★★★★★ (2)	Use at an assay dependent concentration. See Abreview.
IHC-FoFr	★★★★★ (1)	Use at an assay dependent concentration. (PubMed:17425404)
IP		Use at an assay dependent concentration. (PMID 2142158).
Flow Cyt		Use at an assay dependent concentration. <b>ab37371</b> - Rat polyclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (7)	1/500.
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.

## 靶标

功能	Implicated in tumor cell metastasis. May function in protection of the lysosomal membrane from autodigestion, maintenance of the acidic environment of the lysosome, adhesion when expressed on the cell surface (plasma membrane), and inter-and intracellular signal transduction. Protects cells from the toxic effects of methylating mutagens.
组织特异性	Isoform LAMP-2A is highly expressed in placenta, lung and liver, less in kidney and pancreas, low in brain and skeletal muscle. Isoform LAMP-2B is highly expressed in skeletal muscle, less in brain, placenta, lung, kidney and pancreas, very low in liver.
疾病相关	Defects in LAMP2 are the cause of Danon disease (DAND) [MIM:300257]; also known as glycogen storage disease type 2B (GSD2B). DAND is a lysosomal glycogen storage disease characterized by the clinical triad of cardiomyopathy, vacuolar myopathy and mental retardation. It is often associated with an accumulation of glycogen in muscle and lysosomes.
序列相似性	Belongs to the LAMP family.
翻译后修饰	O- and N-glycosylated; some of the 16 N-linked glycans are polylactosaminoglycans.
细胞定位	Cell membrane. Endosome membrane. Lysosome membrane. This protein shuttles between lysosomes, endosomes, and the plasma membrane.
形式	Alternative splicing produces 3 isoforms.



**All lanes :** Anti-LAMP2 antibody [GL2A7] (ab13524) at 1/500 dilution (1 hr at RT)

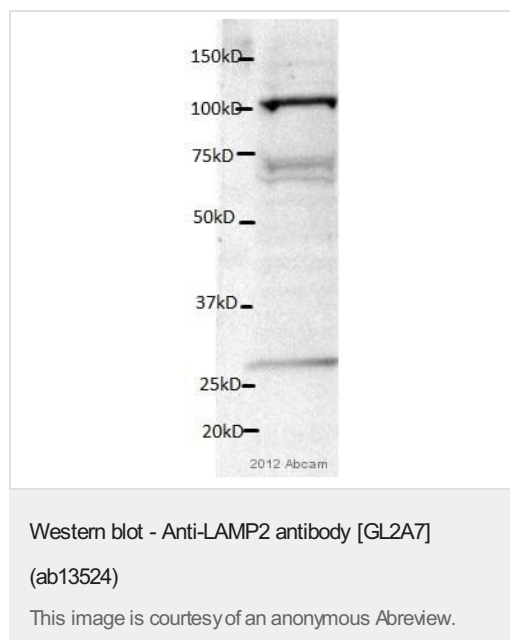
**Lane 1 :** HeLa (Human epithelial cell line from cervix adenocarcinoma) lysate at 20 µg

**Lane 2 :** NIH/3T3 (Mouse embryo fibroblast cell line) lysate at 10 µg

### Secondary

**All lanes :** HRP Goat Anti-Rat, 1 hour at RT at 1/100 dilution

Block: 5% milk + TBST for 1 hour at RT.



Anti-LAMP2 antibody [GL2A7] (ab13524) at 1/1000 dilution + HEK293 cell lysate at 20 µg

### Secondary

Goat anti-rat HRP at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Observed band size:** 105 kDa

**Additional bands at:** 28 kDa (possible non-specific binding), 70 kDa (possible non-specific binding)

**Exposure time:** 3 minutes

Blocked with 5% milk for 1 hour at RT.

Incubated with primary antibody in 5% BSA/TBST for 16 hours at 4°C.

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

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