

## Product datasheet

# Anti-Lysosomal acid lipase/LAL antibody ab154356

[4 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-Lysosomal acid lipase/LAL antibody
<b>Description</b>	Rabbit polyclonal to Lysosomal acid lipase/LAL
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human Lysosomal acid lipase/LAL aa 164-399.
<b>Positive control</b>	A549 whole cell lysate, H1299 whole cell lysate, mouse liver lysate
<b>General notes</b>	<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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.00</p> <p>Preservative: 0.025% Proclin 300</p> <p>Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)</p>
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

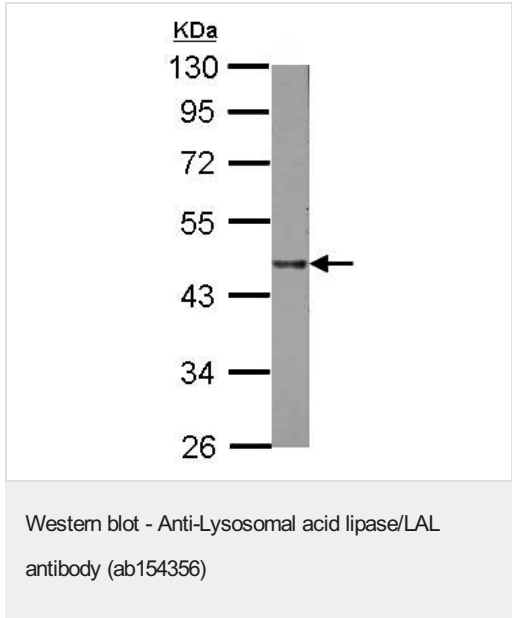
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab154356 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 45 kDa.

### Target

<b>Function</b>	Crucial for the intracellular hydrolysis of cholesteryl esters and triglycerides that have been internalized via receptor-mediated endocytosis of lipoprotein particles. Important in mediating the effect of LDL (low density lipoprotein) uptake on suppression of hydroxymethylglutaryl-CoA reductase and activation of endogenous cellular cholesteryl ester formation.
<b>Involvement in disease</b>	<p>Defects in LIPA are the cause of Wolman disease (WOD) [MIM:278000]. WOD is a severe manifestation of LIPA deficiency, leading to the accumulation of cholesteryl esters and triglycerides in most tissues of the body. WOD occurs in infancy and is nearly always fatal before the age of 1 year.</p> <p>Defects in LIPA are the cause of cholesteryl ester storage disease (CESD) [MIM:278000]. CESD is a mild manifestation of LIPA deficiency, leading to the accumulation of cholesteryl esters and triglycerides in most tissues of the body. It is characterized by late-onset.</p>
<b>Sequence similarities</b>	Belongs to the AB hydrolase superfamily. Lipase family.
<b>Cellular localization</b>	Lysosome.

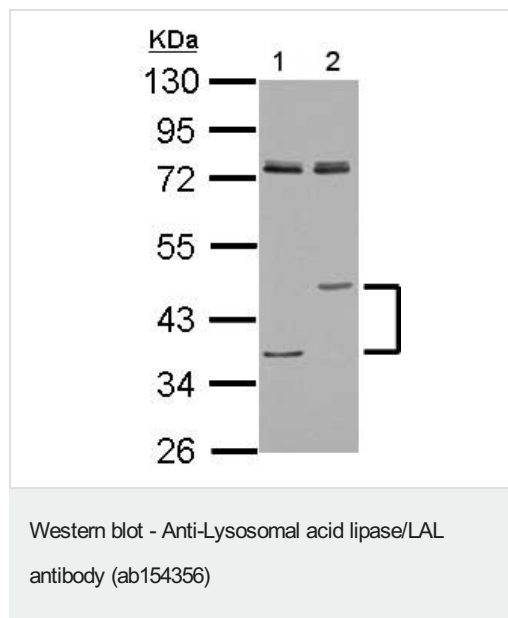
### Images



Anti-Lysosomal acid lipase/LAL antibody (ab154356) at 1/1000 dilution + Mouse liver whole cell lysate at 50 µg

**Predicted band size:** 45 kDa

10% SDS PAGE



**All lanes :** Anti-Lysosomal acid lipase/LAL antibody (ab154356) at 1/1000 dilution

**Lane 1 :** A549 whole cell lysate

**Lane 2 :** H1299 whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 45 kDa

10% SDS PAGE

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

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