

Product datasheet

Anti-LIPG antibody ab24447

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Overview

Product name	Anti-LIPG antibody
Description	Rabbit polyclonal to LIPG
Host species	Rabbit
Specificity	ab24447 reacts with Endothelial lipase.
Tested applications	Suitable for: IHC-P, ICC/IF, WB
Species reactivity	Reacts with: Mouse, Rat, Sheep, Human, Pig
Immunogen	Synthetic peptide surrounding amino acid 22 of human Endothelial Lipase. (Peptide available as ab53323 .)
Positive control	HepG2 cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, 1% BSA, PBS, pH 7.2
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab24447** in the following tested applications.

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

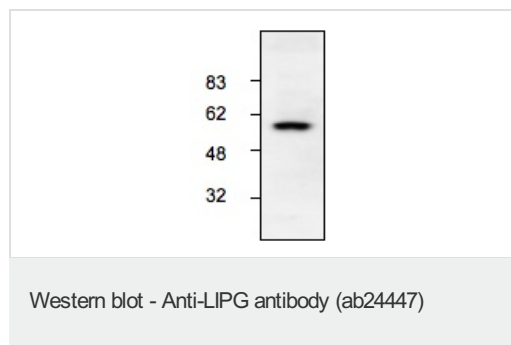
Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 20 µg/ml.
ICC/IF	★☆☆☆☆	Use a concentration of 5 µg/ml.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 4 µg/ml. Detects a band of approximately 57 kDa. Can be blocked with LIPG peptide (ab53323) .

Target

Function	Has phospholipase and triglyceride lipase activities. Hydrolyzes high density lipoproteins (HDL) more efficiently than other lipoproteins. Binds heparin.
Tissue specificity	High level of expression in the liver, placenta, lung, thyroid, kidney, testis and in the corpus luteum of the ovary. Expressed also in coronary artery endothelial cells, umbilical vein endothelial cells and in hepatocyte and osteosarcoma cell lines. Not detected in heart, brain and muscle.
Sequence similarities	Belongs to the AB hydrolase superfamily. Lipase family. Contains 1 PLAT domain.
Cellular localization	Secreted.

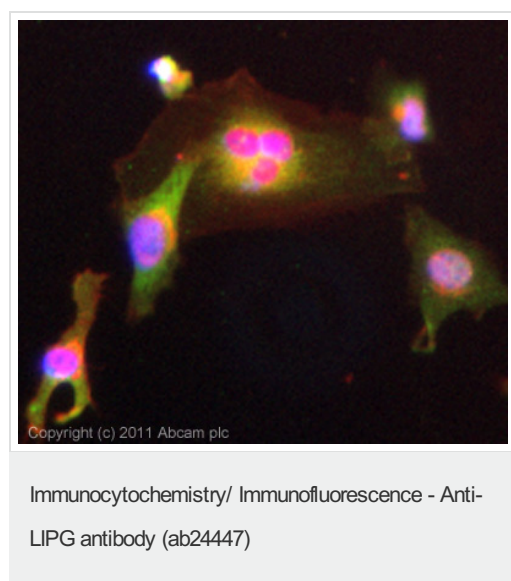
Images



Anti-LIPG antibody (ab24447) + HepG2 lysate

Observed band size: 57 kDa

Use ab24447 at 1-4 µg/ml.



ICC/IF image of ab24447 stained HeLa cells. The cells were 4% formaldehyde (10 min) and then incubated in 1% BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab24447, 5 µg/ml) overnight at +4°C. The secondary antibody (green) was for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43 µM.

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