

Product Datasheet

LPCAT1 Antibody - BSA Free

NBP1-88923

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-88923

LPCAT1 Antibody - BSA Free

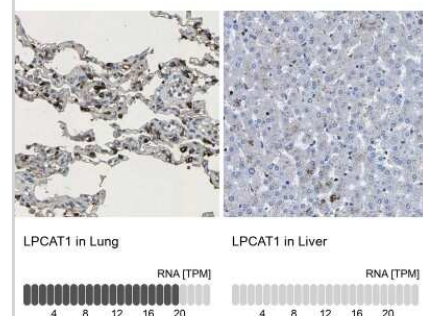
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	79888
Gene Symbol	LPCAT1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 24557352). Rat (89%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: GVSVDYTFEDCQLALAEGLRLPADTCLEFARLVRLGLKPEKLEKDLDRYS ERARMKGGEKIGIAEFAASLEVPVSDLLEDMSLFDESLSGEVDLRECVVALSV

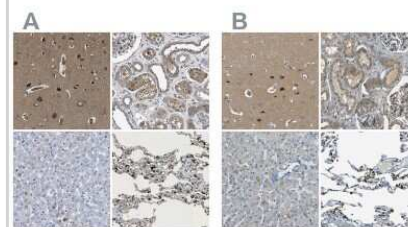
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	ICC/IF reported in scientific literature (PMID: 24557352). For IHC-Paraffin, HIER pH 6 retrieval is recommended. LPCAT1 antibody validated for IHC from a verified customer review.

Images

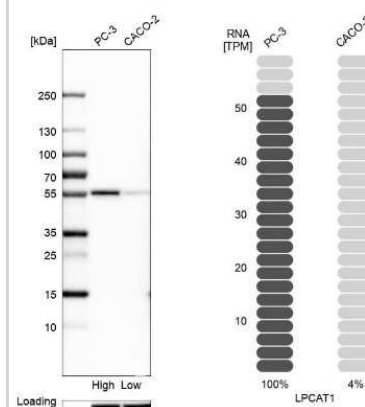
Immunohistochemistry-Paraffin: LPCAT1 Antibody [NBP1-88923] - Analysis in human lung and liver tissues. Corresponding LPCAT1 RNA-seq data are presented for the same tissues.



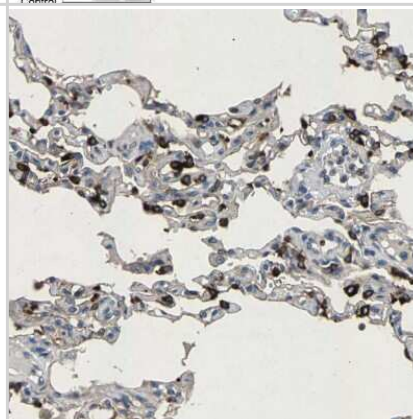
Immunohistochemistry-Paraffin: LPCAT1 Antibody [NBP1-88923] - Staining of human cerebral cortex, kidney, liver and lung using Anti-LPCAT1 antibody NBP1-88923 (A) shows similar protein distribution across tissues to independent antibody NBP1-88922 (B).



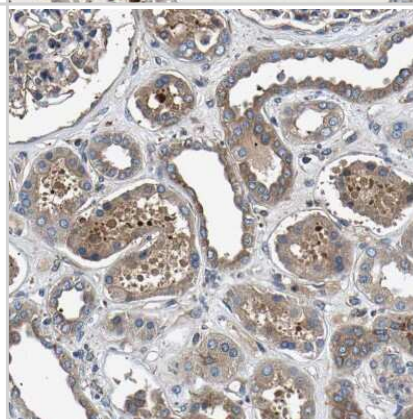
Western Blot: LPCAT1 Antibody [NBP1-88923] - Analysis in human cell lines PC-3 and Caco-2 using anti-LPCAT1 antibody. Corresponding LPCAT1 RNA-seq data are presented for the same cell lines. Loading control: anti-HSP90B1.



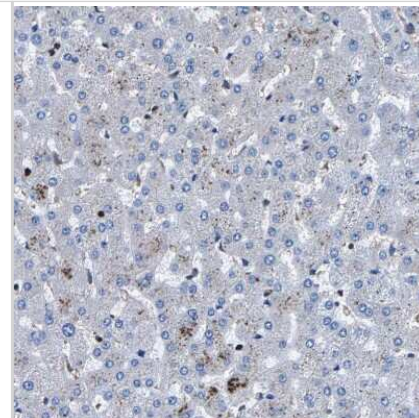
Immunohistochemistry-Paraffin: LPCAT1 Antibody [NBP1-88923] - Staining of human lung shows moderate to strong cytoplasmic positivity in pneumocytes.



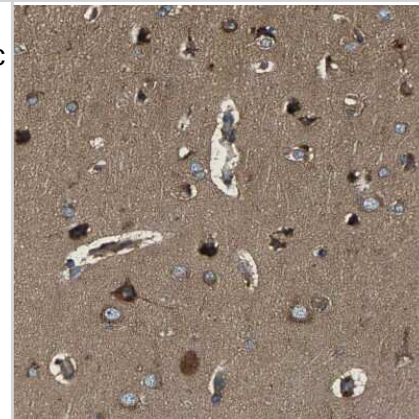
Immunohistochemistry-Paraffin: LPCAT1 Antibody [NBP1-88923] - Staining of human kidney shows weak to moderate cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: LPCAT1 Antibody [NBP1-88923] - Staining of human liver shows no positivity in hepatocytes as expected.



Immunohistochemistry-Paraffin: LPCAT1 Antibody [NBP1-88923] - Staining of human cerebral cortex shows moderate to strong cytoplasmic positivity in neurons.



Publications

Dai X, Han J, Qi Y et al. AAV-Mediated Lysophosphatidylcholine Acyltransferase 1 (Lpcat1) Gene Replacement Therapy Rescues Retinal Degeneration in rd11 Mice. Invest Ophthalmol Vis Sci 2014-03-20 [PMID: 24557352] (ICC/IF, Mouse)

Friedman JS, Chang B, Krauth DS et al. Loss of lysophosphatidylcholine acyltransferase 1 leads to photoreceptor degeneration in rd11 mice. Proc Natl Acad Sci U S A 2010-08-01 [PMID: 20713727]



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Products Related to NBP1-88923

NBP1-88923PEP	LPCAT1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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