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LPIN2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8583c

Specification

LPIN2 Antibody (Center) - Product Information

Application	**FC, IHC-P, WB,E**
Primary Accession	Q92539
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**99399**
Antigen Region	**262-288**

LPIN2 Antibody (Center) - Additional Information

Gene ID 9663

Other Names
Phosphatidate phosphatase LPIN2, Lipin-2, LPIN2, KIAA0249

Target/Specificity
This LPIN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 262-288 amino acids from the Central region of human LPIN2.

Dilution
FC~~1:10~50
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
LPIN2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

LPIN2 Antibody (Center) - Protein Information

Name LPIN2 (HGNC:14450)

Synonyms KIAA0249

Function Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis in the endoplasmic reticulum membrane. Plays important roles in controlling the metabolism of fatty acids at different levels. Also acts as a nuclear transcriptional coactivator for PPARGC1A to modulate lipid metabolism.

Cellular Location
Nucleus. Cytoplasm, cytosol. Endoplasmic reticulum membrane Note=Translocates to endoplasmic reticulum membrane with increasing levels of oleate.

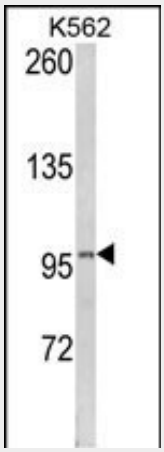
Tissue Location
Expressed in liver, lung, kidney, placenta, spleen, thymus, lymph node, prostate, testes, small intestine, and colon

LPIN2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LPIN2 Antibody (Center) - Images



Western blot analysis of LPIN2 Antibody (Center) (Cat. #AP8583c) in K562 cell line lysates (35ug/lane).LPIN2 (arrow) was detected using the purified Pab.(2ug/ml)

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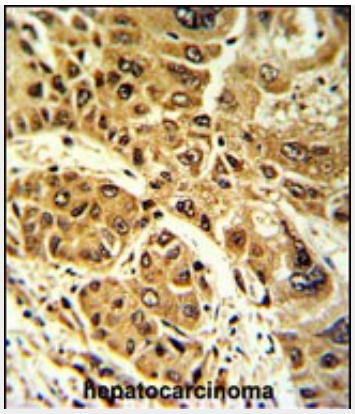
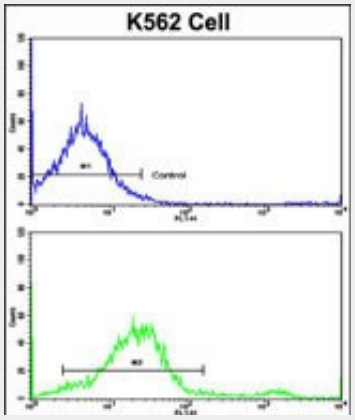


Formalin-fixed and paraffin-embedded human hepatocarcinoma with LPIN2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of K562 cells using LPIN2 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

LPIN2 Antibody (Center) - Background

Defects in LPIN2 are the cause of Majeed syndrome. Majeed syndrome is an autosomal recessive disorder combining features of chronic recurrent multifocal osteomyelitis, congenital dyserythropoietic anemia and inflammatory dermatosis.

LPIN2 Antibody (Center) - References

Olsen,J.V., et.al., Cell 127 (3), 635-648 (2006)
Ferguson,P.J., et.al., J. Med. Genet. 42 (7), 551-557 (2005)