

Product Name: iPLA2 γ Rabbit Polyclonal Antibody**Catalog #: APRab12704**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight	88kDa

Antigen Information

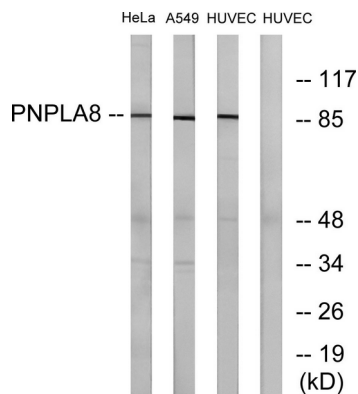
Gene Name	PNPLA8 PNPLA8; IPLA22; IPLA2G; BM-043; Calcium-independent phospholipase A2-gamma;
Alternative Names	Intracellular membrane-associated calcium-independent phospholipase A2 gamma; iPLA2-gamma; PNPLA-gamma; Patatin-like phospholipase domain-containing protein 8; iPLA
Gene ID	50640.0
SwissProt ID	Q9NP80
Immunogen	The antiserum was produced against synthesized peptide derived from human PNPLA8. AA range:691-740

Background

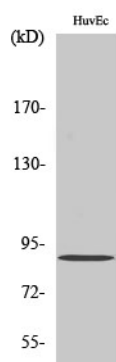
This gene encodes a member of the patatin-like phospholipase domain containing protein family. Members of this family are phospholipases which catalyze the cleavage of fatty acids from membrane phospholipids. The product of this gene is a calcium-independent phospholipase. Mutations in this gene have been associated with mitochondrial myopathy with lactic acidosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2015],catalytic activity:2-lysophosphatidylcholine + H₂O = glycerophosphocholine + a carboxylate,enzyme regulation:Inhibited by E-6-bromomethylene-3-1-naphthalenyl-2H-tetrahydropyran-2-one (BEL),function:Calcium-independent phospholipase A2, which catalyzes the hydrolysis of the sn-2 position of glycerophospholipids, PtdSer and to a lower extent PtdCho. Cleaves membrane phospholipids.,similarity:Contains 1 patatin domain.,tissue specificity:Expressed in parenchymal tissues including heart, skeletal muscle, placenta, brain, liver and pancreas. Also expressed in bronchial epithelial cells and kidney. Highest expression is observed in skeletal muscle and heart.,

Research Area

Image Data



Western blot analysis of lysates from HUVEC, HeLa, and A549 cells, using PNPLA8 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using iPLA2 γ Polyclonal Antibody diluted at 1: 2000