

iPLA2 $\gamma$  Polyclonal Antibody

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|------------------------------|---|
| <b>Catalog No :</b>          | YT2383  |
| <b>Reactivity :</b>          | Human;Mouse   |
| <b>Applications :</b>        | WB;IHC  |
| <b>Target :</b>              | iPLA2 $\gamma$  |
| <b>Gene Name :</b>           | PNPLA8  |
| <b>Protein Name :</b>        | Calcium-independent phospholipase A2-gamma  |
| <b>Human Gene Id :</b>       | 50640   |
| <b>Human Swiss Prot No :</b> | Q9NP80  |
| <b>Mouse Gene Id :</b>       | 67452   |
| <b>Mouse Swiss Prot No :</b> | Q8K1N1  |
| <b>Immunogen :</b>           | The antiserum was produced against synthesized peptide derived from human PNPLA8. AA range:691-740                    |
| <b>Specificity :</b>         | iPLA2 $\gamma$ Polyclonal Antibody detects endogenous levels of iPLA2 $\gamma$ protein.                               |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG  |
| <b>Dilution :</b>            | WB 1:500-2000;IHC 1:50-300  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Concentration :</b>       | 1 mg/ml   |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)  |

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**Observed Band :** 88kD

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**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],

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**Function :** catalytic activity:2-lysophosphatidylcholine + H(2)O = 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.,

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**Subcellular Location :** Endoplasmic reticulum membrane ; Single-pass membrane protein . Mitochondrion membrane ; Single-pass membrane protein . Peroxisome membrane ; Single-pass membrane protein .

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**Sort :** 8643

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**No4 :** 1

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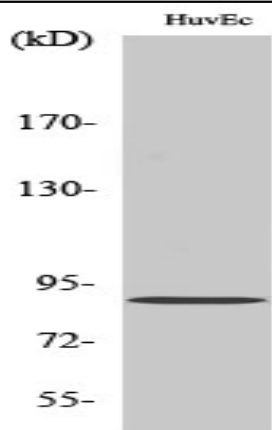
**Host :** Rabbit

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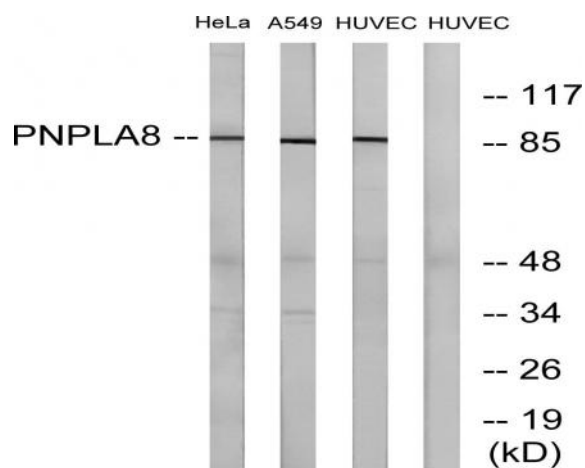
**Modifications :** Unmodified

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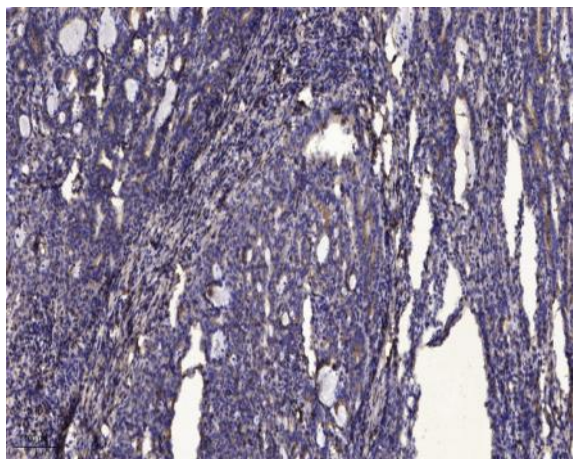
## Products Images



Western Blot analysis of various cells using iPLA2 $\gamma$  Polyclonal Antibody diluted at 1:2000



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.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).