

---

|                          |  |
|--------------------------|--|
| <b>Product name:</b>     | LPD lipase Rabbit Polyclonal Antibody  |
| <b>Cat number:</b>       | ABN13391   |
| <b>Conjugate:</b>        | Unconjugated   |
| <b>Size:</b>             | 100µL  |
| <b>Clone:</b>            | Polyclonal   |
| <b>Concentration:</b>    | 1mg/ml   |
| <b>Host:</b>             | Rabbit   |
| <b>Isotype:</b>          | IgG  |
| <b>Immunogen:</b>        | The antiserum was produced against synthesized peptide derived from human LIPI. AA range:289-338   |
| <b>Reactivity:</b>       | Human,Rat,Mouse  |
| <b>Applications:</b>     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000   |
| <b>Molecular Weight:</b> | 53kDa  |
| <b>Purification:</b>     | Affinity purification  |
| <b>Form:</b>             | Liquid   |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.   |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.   |
| <b>Background:</b>       | <p>The protein encoded by this gene is a phospholipase that hydrolyzes phosphatidic acid to produce lysophosphatidic acid. Defects in this gene are a cause of susceptibility to familial hypertriglyceridemia. This gene is also expressed at high levels in Ewing family tumor cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014],disease:Defects in LIPI may be a cause of susceptibility to familial hypertriglyceridemia [MIM:145750]. Familial hypertriglyceridemia is a common inherited disorder in which the concentration of very low density lipoprotein (VLDL) is elevated in the plasma. This leads to increased risk of heart disease, obesity, and pancreatitis.,enzyme regulation:Inhibited by sodium vanadate.,function:Hydrolyzes specifically phosphatidic acid (PA) to produce lysophosphatidic acid (LPA).,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the AB hydrolase superfamily. Lipase family.,subcellular location:May associate with lipid draft.,subunit:Interacts with heparin with a high affinity.,tissue specificity:Expressed in testis. Expressed exclusively at the connecting piece of the sperm.,</p> |