



LPD lipase Monoclonal Antibody

Catalog No	BYmab-02663
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	LIPI
Protein Name	Lipase member I
Immunogen	The antiserum was produced against synthesized peptide derived from human LIPI. AA range:289-338
Specificity	LPD lipase Monoclonal Antibody detects endogenous levels of LPD lipase protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LIPI; LPDL; PRED5; Lipase member I; LIPI; Cancer/testis antigen 17; CT17; LPD lipase; Membrane-associated phosphatidic acid-selective phospholipase A1-beta; mPA-PLA1 beta
Observed Band	53kD
Cell Pathway	[Isoform 1]: Cell membrane . Secreted . May associate with lipid draft. .; [Isoform 2]: Cell membrane . Secreted . May associate with lipid draft. .
Tissue Specificity	Expressed in testis. Expressed exclusively at the connecting piece of the sperm.
Function	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

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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.,

Background

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],

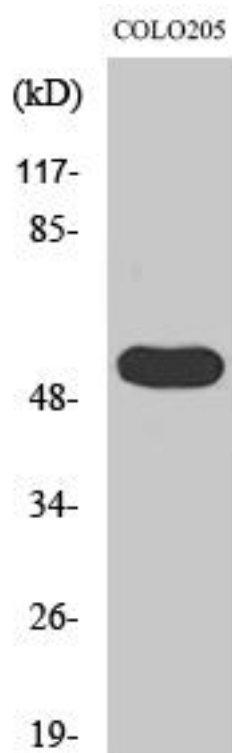
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using LPD lipase Monoclonal Antibody