

## LIPT2 rabbit pAb

<b>Catalog No :</b>	YT6733
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC
<b>Target :</b>	LIPT2
<b>Fields :</b>	>>Lipoic acid metabolism;>>Metabolic pathways;>>Biosynthesis of cofactors
<b>Gene Name :</b>	LIPT2
<b>Protein Name :</b>	LIPT2
<b>Human Gene Id :</b>	387787
<b>Human Swiss Prot No :</b>	A6NK58
<b>Mouse Gene Id :</b>	67164
<b>Mouse Swiss Prot No :</b>	Q9D009
<b>Immunogen :</b>	Synthesized peptide derived from human LIPT2 AA range: 8-58
<b>Specificity :</b>	This antibody detects endogenous levels of LIPT2 at Human/Mouse
<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

**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

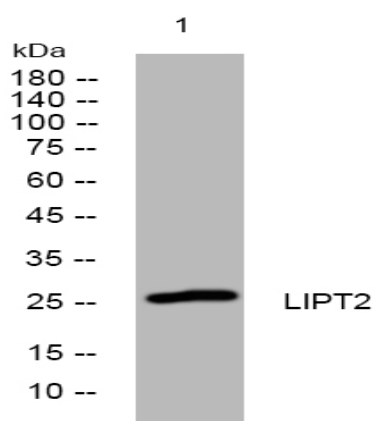
**Molecularweight :** 25kD

**Background :** This gene encodes a mitochondrial protein that catalyzes the transfer of octanoic acid to lipoate-dependent enzymes such as octanoyl-ACP. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2016],

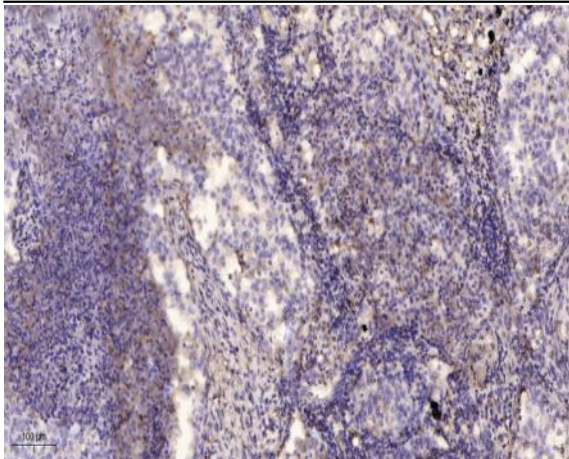
**Function :** catalytic activity:Octanoyl-[acyl-carrier-protein] + protein = protein N(6)-(octanoyl)lysine + [acyl-carrier-protein].,function:Catalyzes the transfer of endogenously produced octanoic acid from octanoyl-acyl-carrier-protein onto the lipoyl domains of lipoate-dependent enzymes. Lipoyl-ACP can also act as a substrate although octanoyl-ACP is likely to be the physiological substrate.,miscellaneous:In the reaction, the free carboxyl group of octanoic acid is attached via an amide linkage to the epsilon-amino group of a specific lysine residue of lipoyl domains of lipoate-dependent enzymes.,pathway:Protein modification; protein lipoylation via endogenous pathway; protein N(6)-(lipoyl)lysine from octanoyl-[acyl-carrier-protein]: step 1/2.,similarity:Belongs to the lipB family.,

**Subcellular Location :** Mitochondrion .

## Products Images



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human lung cancer. 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).