SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CLPS antibody

Catalog Number: SL10104R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CLPS
Immunogen:	KLH conjugated synthetic peptide derived from rat CLPS: 41-112/112
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Mouse, Rat)
Predicted MW.:	10kDa
Subcellular Location:	Secretory protein
Background:	The protein encoded by this gene is a cofactor needed by pancreatic lipase for efficient dietary lipid hydrolysis. It binds to the C-terminal, non-catalytic domain of lipase, thereby stabilizing an active conformation and considerably increasing the overall hydrophobic binding site. The gene product allows lipase to anchor noncovalently to the surface of lipid micelles, counteracting the destabilizing influence of intestinal bile salts. This cofactor is only expressed in pancreatic acinar cells, suggesting regulation of expression by tissue-specific elements. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011] **Function:** Colipase is a cofactor of pancreatic lipase. It allows the lipase to anchor itself to the lipid-water interface. Without colipase the enzyme is

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	washed off by bile salts, which have an inhibitory effect on the lipase. Enterostatin has a biological activity as a satiety signal. **Subunit:** Forms a 1:1 stoichiometric complex with pancreatic lipase. **Subcellular Location:** Secreted. **Post-translational modifications:** Expressed by the pancreas. **Similarity:** Belongs to the colipase family. **Database links:** **Entrez Gene:** 1208 Human Omim: 120105 Human **SwissProt:** P04118 Human **Unigene:** 1340 Human

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