



Rabbit Anti-CLPS antibody

SL10088R

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| Product Name: | CLPS |
| Chinese Name: | 胰辅脂酶抗体 |
| Alias: | Colipase; Colipase pancreatic; Pancreatic colipase preproprotein. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 10kDa |
| Cellular localization: | Secretory protein |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human CLPS:56-112/112 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | 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 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.

Tissue Specificity:

Expressed by the pancreas.

Similarity:

Belongs to the colipase family.

SWISS:

P04118

Gene ID:

1208

Database links:

[Entrez Gene: 1208](#)Human

[Omim: 120105](#)Human

[SwissProt: P04118](#)Human

[Unigene: 1340](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.