

CLPS Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5546b**Specification**

CLPS Antibody (C-term) Blocking peptide - Product Information

Primary Accession [P04118](#)
Other Accession [NP_001823.1](#)

CLPS Antibody (C-term) Blocking peptide - Additional Information

Gene ID 1208

Other Names
Colipase, CLPS

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CLPS Antibody (C-term) Blocking peptide - Protein Information

Name CLPS ([HGNC:2085](#))

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.

Cellular Location

Secreted.

Tissue Location

Expressed by the pancreas.

CLPS Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CLPS Antibody (C-term) Blocking peptide - Images**CLPS Antibody (C-term) Blocking peptide - 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.

CLPS Antibody (C-term) Blocking peptide - References

Weyrich, P., et al. Exp. Clin. Endocrinol. Diabetes 117(2):83-87(2009) Wermter, A.K., et al. Obes Facts 2(1):40-44(2009) D'Silva, S., et al. J. Lipid Res. 48(11):2478-2484(2007) Lindner, I., et al. Mol Nutr Food Res 49(10):972-976(2005)