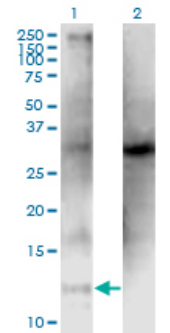
CLPS monoclonal antibody (M05), clone 4G3

Catalog # H00001208-M05 Size 100 ug

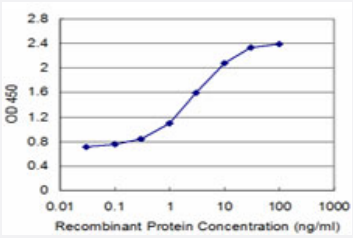
Applications



Western Blot (Transfected lysate)

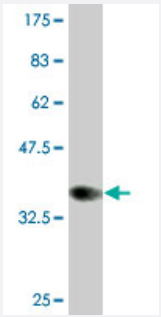
Western Blot analysis of CLPS expression in transfected 293T cell line by CLPS monoclonal antibody (M05), clone 4G3.

Lane 1: CLPS transfected lysate (Predicted MW: 12 KDa).
Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CLPS is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.64 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CLPS.

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Immunogen	CLPS (NP_001823, 23 a.a. ~ 112 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GIIINLENGELCMNSAQCKSNCCQHSSALGLARCTSMASENSECSVKTLYGIYYKCPCERGLTCEG DKTIVGSITNTNFGICHDAGRSKQ
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Western Blot analysis of CLPS expression in transfected 293T cell line by CLPS monoclonal antibody (M05), clone 4G3.

  Lane 1: CLPS transfected lysate (Predicted MW: 12 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged CLPS is approximately 0.03ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — CLPS

Entrez GeneID	1208
GeneBank Accession#	NM_001832

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Protein Accession#	NP_001823
Gene Name	CLPS
Gene Alias	-
Gene Description	colipase, pancreatic
Omim ID	120105
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000016271|colipase|pancreatic colipase preproprotein

Disease

- Diabetes Mellitus
- Genetic Predisposition to Disease
- Obesity

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