antibodies -online.com







anti-CLPS antibody (AA 18-112)



Image

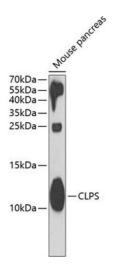


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Quantity:	100 μL	
Target:	CLPS	
Binding Specificity:	AA 18-112	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CLPS antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 18-112 of human CLPS (NP_001823.1).	
Sequence:	APGPRGIIIN LENGELCMNS AQCKSNCCQH SSALGLARCT SMASENSECS VKTLYGIYYK CPCERGLTCE GDKTIVGSIT NTNFGICHDA GRSKQ	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse	
Characteristics:	Polyclonal Antibodies	
Purification:	Affinity purification	

Target Details

Target:	CLPS		
Alternative Name:	CLPS (CLPS Products)		
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.,CLPS,colipase,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid		
	Metabolism,Lipases,Cardiovascular,Lipids,CLPS		
Molecular Weight:	11 kDa		
Gene ID:	1208		
UniProt:	P04118		
Pathways:	Lipid Metabolism		
Application Details			
Application Notes:	WB,1:500 - 1:2000		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.		
Preservative:	Sodium azide		
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which		
	should be handled by trained staff only.		
Storage:	-20 °C		
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.		



Western Blotting

Image 1. Western blot analysis of extracts of mouse pancreas, using CLPS antibody (ABIN6128989, ABIN6138744, ABIN6138747 and ABIN6221981) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.