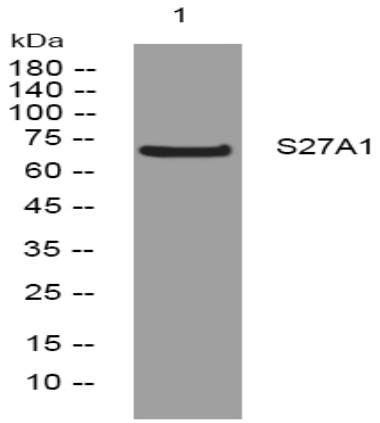
Best Tools for immunology Research

S27A1 rabbit pAb

Catalog No :	YT7179
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	S27A1
Fields :	>>PPAR signaling pathway;>>Insulin resistance;>>Fat digestion and absorption
Gene Name :	SLC27A1 ACSVL5 FATP1
Protein Name :	S27A1
Human Gene Id :	376497
Human Swiss Prot No :	Q6PCB7
Mouse Gene Id :	26457
Mouse Swiss Prot No :	Q60714
Rat Swiss Prot No :	P97849
Immunogen :	Synthesized peptide derived from human S27A1 AA range: 115-165
Specificity :	This antibody detects endogenous levels of S27A1 at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	71kD
Function :	function:Involved in translocation of long-chain fatty acids (LFCA) across the plasma membrane. The LFCA import appears to be hormone-regulated in a tissue-specific manner. In adipocytes, but not myocytes, insulin induces a rapid translocation of Fatp1 from intracellular compartments to the plasma membrane, paralleled by increased LFCA uptake. May act directly as a bona fide transporter, or alternatively, in a cytoplasmic or membrane-associated multimeric protein complex to trap and draw fatty acids towards accumulation. Plays a pivotal role in regulating available LFCA substrates from exogenous sources in tissues undergoing high levels of beta-oxidation or triglyceride synthesis. May be involved in regulation of cholesterol metabolism. Has acyl-CoA ligase activity for long-chain and very-long-chain fatty acids.,miscellaneous:FATP1-mediated fatty acid uptake is associated to paramaters r
Subcellular Location :	Cell membrane ; Single-pass membrane protein . Endomembrane system ; Single-pass membrane protein . Cytoplasm . Plasma membrane and intracellular membranes, at least in adipocytes. In adipocytes, but not myocytes, insulin via the mTORC1 signaling pathway induces a rapid translocation of SLC27A1 from intracellular compartments to the plasma membrane, paralleled by increased LCFA uptake. Insulin-dependent translocation from the cytoplasm to the cell membrane is regulated by EPRS1. Predominantly cytoplasmic in myocytes. .
Expression :	Highest levels of expression are detected in muscle and adipose tissue small, intermediate levels in small intestine, and barely detectable in liver. Expressed in brain gray matter (PubMed:21395585).
Sort :	14723
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°over night