

Allgemeine Informationen

Katalog-Nr.: CL594-67206	GenBank-Zugangsnummer: BC017033	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul , Konzentration: 1000 µg/ml von6713 Nanodrop;	GeneID (NCBI): squalene epoxidase	CloneNo.: 1C9A2
Wirt: Maus	Vollständiger Name: squalene epoxidase	Anregungs-/Emissionsmaxima-Wellenlängen: 588 nm / 604 nm
Isotyp: IgG2a	Berechnete Masse: 574 aa, 64 kDa	
Immunogen Katalognummer: AG3266	Beobachtete Masse: 50-64 kDa	

Anwendungen

Geprüfte Anwendungen:
FC (Intra)

Getestete Reaktivität:
Hausschwein, Human, Ratte

Hintergrundinformationen

SQLE, also named as ERG1, SE and SM, belongs to the squalene monooxygenase family. It catalyzes the first oxygenation step in cholesterol synthesis, acting on squalene before cyclization into the basic steroid structure. SQLE may serve as a flux-controlling enzyme beyond 3-hydroxy-3-methylglutaryl-coenzyme A reductase (HMGCR, considered as rate limiting). It is also posttranslationally regulated by cholesterol-dependent proteasomal degradation. SQLE is subject to feedback regulation via cholesterol-induced degradation, which depends on its lipid-sensing N terminal regulatory domain. Truncation of SQLE occurs during its endoplasmic reticulum-associated degradation and requires the proteasome, which partially degrades the SQLE N-terminus and eliminates cholesterol-sensing elements within this region. The MW of SQLE is about 50-64 kDa. (PMID:21356516, PMID:28972164)

Lagerung

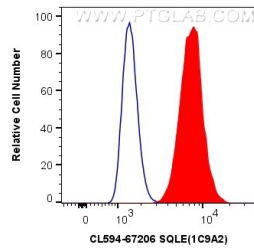
Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

Ausgewählte Validierungsdaten



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® 594 Anti-Human SQLE (CL594-67206, Clone:1C9A2) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL594-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).