(KO Validated) SCD Polyclonal Antibody

Catalog Number:E-AB-66816 1 Publications

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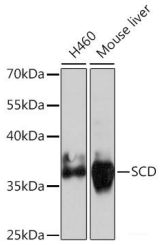
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

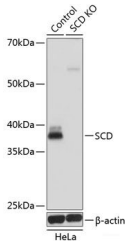
Reactivity	Human,Mouse,Rat
Immunogen	A synthetic peptide of human SCD (NP_005054.3).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications	Recommended Dilution
WB	1:500-1:2000
IF	1:50-1:100

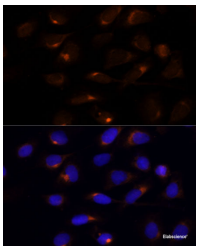
Data



Western blot analysis of extracts of various cell lines using SCD Polyclonal Antibody at dilution of 1:1000.
Observed Mw:38kDa
Calculated Mw:41kDa



Western blot analysis of extracts from normal (control) and SCD knockout (KO) HeLa cells using SCD Polyclonal Antibody at dilution of 1:1000.



Immunofluorescence analysis of U-2 OS cells using SCD Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Preparation & Storage

Storage	Store at -20°C. Avoid freeze / thaw cycles.

Background

This gene encodes an enzyme involved in fatty acid biosynthesis, primarily the synthesis of oleic acid. The protein belongs to the fatty acid desaturase family and is an integral membrane protein located in the endoplasmic reticulum. Transcripts of approximately 3.9 and 5.2 kb, differing only by alternative polyadenlyation signals, have been detected. A gene

encoding a similar enzyme is located on chromosome 4 and a pseudogene of this gene is located on chromosome 17.