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Datasheet for ABIN2777599
anti-SCD antibody (Middle Region)

3 Images

Overview

Quantity:	100 µL
Target:	SCD
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Sheep, Goat, Cow, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SCD
Sequence:	HPAVKEKGST LDLSDLEAEK LVMFQRRYYK PGLLMMCFIL PTLVPWYFWG
Predicted Reactivity:	Cow: 92%, Dog: 85%, Goat: 85%, Guinea Pig: 85%, Human: 100%, Mouse: 77%, Rat: 77%, Sheep: 85%
Characteristics:	This is a rabbit polyclonal antibody against SCD. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	SCD
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Target Details

Alternative Name:	SCD (SCD Products)
Background:	<p>Stearoyl-CoA desaturase (fatty acid desaturase, SCD) is expressed at high levels in several human tissues and is required for the biosynthesis of oleate (18:1) and palmitoleate (16:1). These monounsaturated fatty acids are the major components of phospholipids, triglycerides, wax esters, and cholesterol esters.</p> <p>Alias Symbols: SCD1, FADS5, SCDOS, MSTP008</p> <p>Protein Interaction Partner: UBC, APP, VCP, ELAVL1, NEDD4L, CYB5A,</p> <p>Protein Size: 359</p>
Molecular Weight:	41 kDa
Gene ID:	6319
NCBI Accession:	NM_005063 , NP_005054
UniProt:	O00767
Pathways:	Brown Fat Cell Differentiation

Application Details

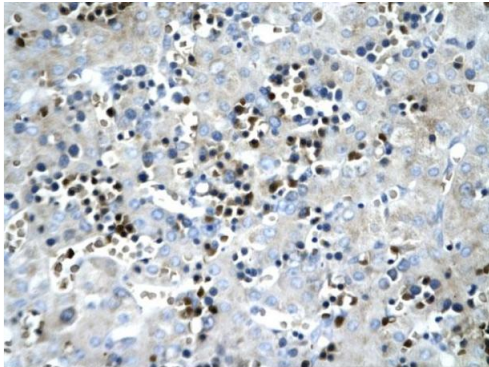
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 359 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

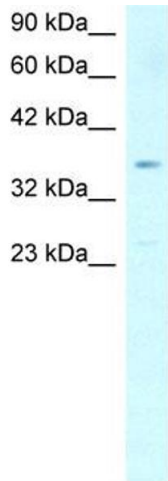
Images



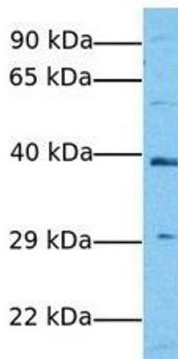
Rabbit Anti-SCD Antibody
Catalog Number: ARP32797
Lot Number: QC2226
Paraffin Embedded Tissue: Human Liver
Cells with Positive label: Hepatocytes (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 1. Human Liver



SCD



Western Blotting

Image 2. WB Suggested Anti-SCD Antibody Titration:
1.0ug/ml Positive Control: Human Liver

Western Blotting

Image 3. Host: Rabbit Target Name: SCD Sample Tissue:
Human Jurkat Antibody Dilution: 1.0ug/ml