

# Product Datasheet

## SCD-1 Antibody NB100-2476

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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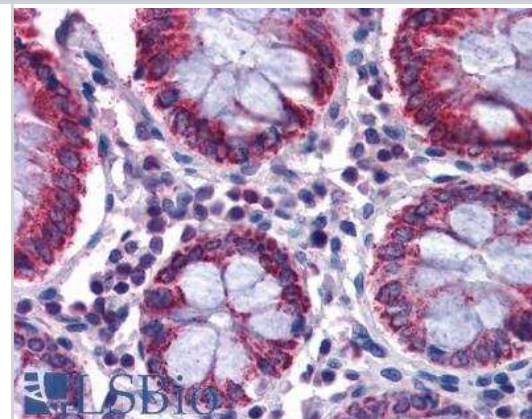
**NB100-2476****SCD-1 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	6319
<b>Gene Symbol</b>	SCD
<b>Species</b>	Human
<b>Immunogen</b>	Peptide with sequence C-RIKRTGDGNYKSG, from the C Terminus of the protein sequence according to NP_005054.3.
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml, Peptide ELISA detection limit 1:64000
<b>Application Notes</b>	WB: Preliminary experiments gave an approx 30kDa band in Human Adipose, Brain and Liver lysates after 0.3 ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 41.5kDa according to NP_005054.3. The 30kDa band was successfully blocked by incubation with the immunizing peptide. IHC: In paraffin embedded Human Liver shows textured cytoplasm staining in hepatocytes. Flow Cytometry: Exclusively staining of HepG2 when mixed with Peripheral Blood Lymphocytes.

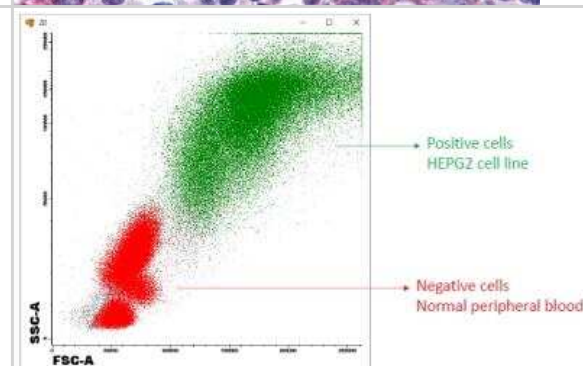


## Images

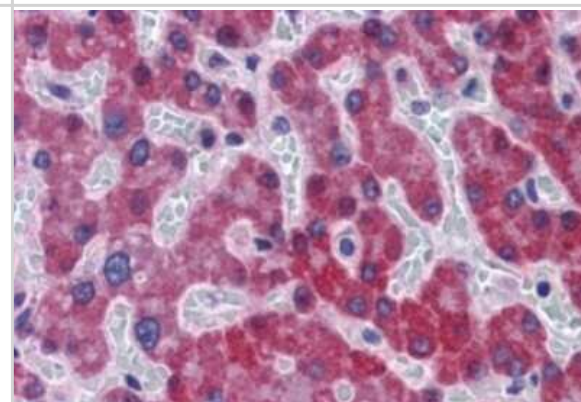
Immunohistochemistry-Paraffin: SCD-1 Antibody [NB100-2476] - Staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Flow Cytometry: SCD Antibody [NB100-2476] - staining of HepG2 cells mixed in with PBL. Detected by fluorescence with PE for SCD in green and with OC515 for CD45 (CYT-450C) in red.



Immunohistochemistry-Paraffin: SCD Antibody [NB100-2476] - (5ug/ml) staining Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Zhang S, Yang Y, Shi Y. Characterization of human SCD2, an oligomeric desaturase with improved stability and enzyme activity by cross-linking in intact cells. Biochem J 2004-12-20 [PMID: 15610069]



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### **Products Related to NB100-2476**

NBL1-15724	SCD-1 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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