

Datasheet for ABIN968231

anti-SCARB1 antibody (AA 104-294)



[Go to Product page](#)

4 Images

4 Publications

Overview

Quantity:	150 µg
Target:	SCARB1
Binding Specificity:	AA 104-294
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SCARB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Human CLA-1 aa. 104-294
Clone:	25-CLA
Isotype:	IgG1
Characteristics:	<ol style="list-style-type: none"> 1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	SCARB1
Alternative Name:	CLA-1 (SCARB1 Products)
Background:	<p>CLA-1 (CD36 and LIMPII Analogous-1) is member of a novel gene family that includes CD36, LIMPII, and SR-BI. CD36 is a cell surface glycoprotein that binds to collagen type I and thrombospondin. LIMPII (lysosomal integral membrane protein II), as its name suggests, is expressed on the membrane of lysosomes. SR-BI (scavenger receptor type B class I) is involved in the selective uptake of cholesterol esters. These proteins include two membrane-anchoring regions, two short cytoplasmic tails, and a large extracellular/luminal domain. CLA-1 mRNA is detected in a wide range of tissues including adrenal glands, liver, and testis. Its expression and similarity with other family members suggest it may play a role in HDL metabolism. However, identification of the CLA-1 receptor on monocytes indicates additional CLA-1 functions in leukocytes.</p> <p>Synonyms: CD36 and LIMPII Analogous-1</p>
Molecular Weight:	80 kDa
Pathways:	Cellular Response to Molecule of Bacterial Origin , Hepatitis C , Lipid Metabolism , SARS-CoV-2 Protein Interactome

Application Details

Comment:	Related Products: ABIN968535, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store undiluted at -20°C.

Publications

Product cited in: Lasley, Narayan, Uittenbogaard, Smart: "Activated cardiac adenosine A(1) receptors translocate out of caveolae." in: **The Journal of biological chemistry**, Vol. 275, Issue 6, pp. 4417-21, (2000) ([PubMed](#)).

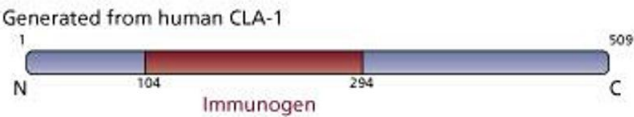
Kozarsky, Donahee, Rigotti, Iqbal, Edelman, Krieger: "Overexpression of the HDL receptor SR-BI alters plasma HDL and bile cholesterol levels." in: **Nature**, Vol. 387, Issue 6631, pp. 414-7, (1997) ([PubMed](#)).

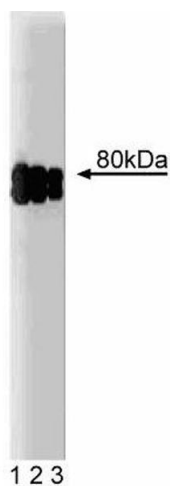
Acton, Rigotti, Landschulz, Xu, Hobbs, Krieger: "Identification of scavenger receptor SR-BI as a high density lipoprotein receptor." in: **Science (New York, N.Y.)**, Vol. 271, Issue 5248, pp. 518-20, (1996) ([PubMed](#)).

Calvo, Vega: "Identification, primary structure, and distribution of CLA-1, a novel member of the CD36/LIMPII gene family." in: **The Journal of biological chemistry**, Vol. 268, Issue 25, pp. 18929-35, (1993) ([PubMed](#)).

Images

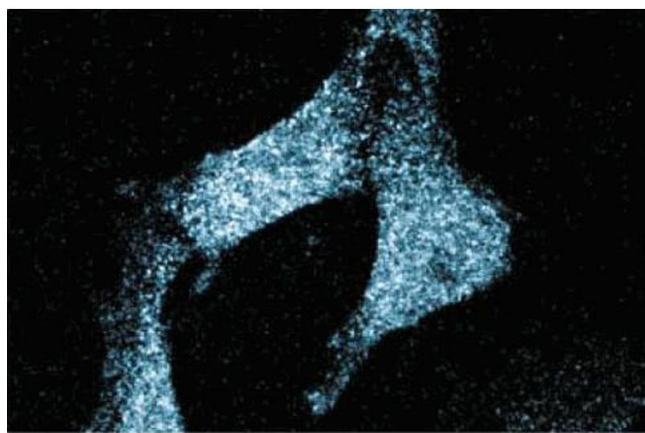
Image 1.





Western Blotting

Image 2. Western blot analysis of CLA-1 on a HeLa cell lysate (Human cervical epitheloid carcinoma, ATCC CCL-2.2). Lane 1: 1: 500, lane 2: 1:1000, lane 3: 1:2000 dilution of the mouse anti-human CLA-1 antibody.



Immunofluorescence

Image 3. Immunofluorescence staining of human endothelial cells.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN968231.