10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD36L1 Antibody

Catalog # AP96044

Product Information

Application	WB, IHC, FC
Primary Accession	Q8WTV0
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	60878

Additional Information

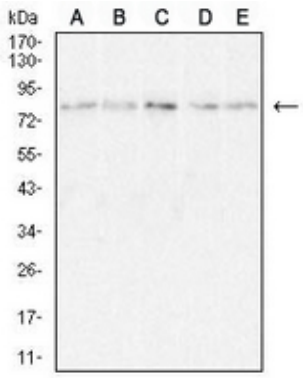
Gene ID	949
Other Names	CD36L1; CLA1; Scavenger receptor class B member 1; SRB1; CD36 and LIMPII analogous 1; CLA-1; CD36 antigen-like 1; Collagen type I receptor, thrombospondin receptor-like 1; SR-BI; CD36
Target/Specificity	Recombinant fusion protein of human CD36L1 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG2a. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

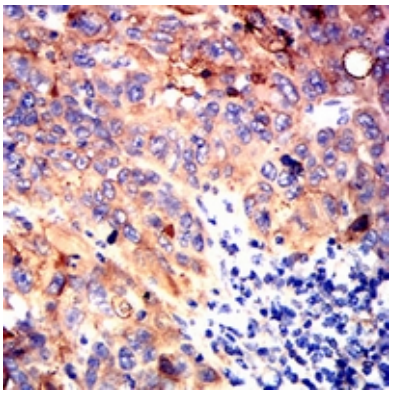
Name	SCARB1
Synonyms	CD36L1, CLA1
Function	Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells (PubMed:12016218, PubMed:12519372, PubMed:21226579). Receptor for HDL, mediating selective uptake of cholesteryl ether and HDL-dependent cholesterol efflux (PubMed:26965621). Also facilitates the flux of free and esterified cholesterol between the cell surface and apoB-containing lipoproteins and modified lipoproteins, although less efficiently than HDL. May be involved in the phagocytosis of apoptotic cells, via its phosphatidylserine binding activity (PubMed:12016218).
Cellular Location	Cell membrane; Multi-pass membrane protein. Membrane, caveola {ECO:0000250|UniProtKB:Q61009}; Multi-pass membrane protein Note=Predominantly localized to cholesterol and sphingomyelin-enriched domains within the plasma membrane, called caveolae

Tissue Location Widely expressed.

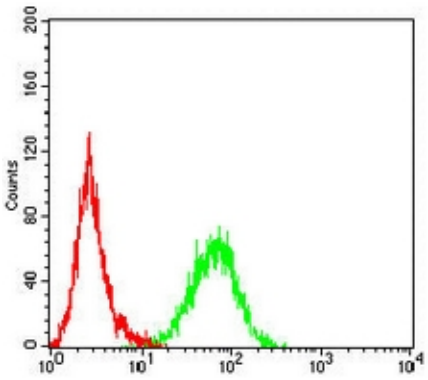
Images



Western blot analysis of CD36L1 expression in Hela (A), U937 (B), HePG2 (C), NIH/3T3 (D), mouse liver (E) whole cell lysates. (Predicted band size: 60 kD; Observed band size: 80 kD)



Immunohistochemical analysis of CD36L1 staining in human endometrial cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of U937 cells using Anti-CD36L1 Antibody (green) and negative control (red).