DC-LAMP (H-260): sc-98657



The Power to Question

BACKGROUND

DC-LAMP (DC-lysosome-associated membrane glycoprotein), also known as LAMP-3 (lysosomal-associated membrane protein 3), TSC403 or CD208, is a 416 amino acid lysosome membrane protein that belongs to the LAMP family. DC-LAMP is expressed in lung, lymphoid organs and dendritic cells, and is upregulated in carcinomas of the esophagus, colon, rectum, ureter, stomach, breast, fallopian tube, thyroid and parotid tissues. It is suggested that DC-LAMP may be responsible for changing lysosomal function after the transfer of peptide-MHC class II molecules to the surface of dendritic cells. DC-LAMP is thought to play an important part in enhancing metastasic potential and may be a prognostic factor for cervical cancer.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LAMP3 (human) mapping to 3q27.1; Lamp3 (mouse) mapping to 16 A3.

SOURCE

DC-LAMP (H-260) is a rabbit polyclonal antibody raised against amino acids 157-416 mapping at the C-terminus of DC-LAMP of human origin.

PRODUCT

Each vial contains 200 μg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

DC-LAMP (H-260) is recommended for detection of DC-LAMP of mouse and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for DC-LAMP siRNA (h): sc-77099, DC-LAMP siRNA (m): sc-77100, DC-LAMP shRNA Plasmid (h): sc-77099-SH, DC-LAMP shRNA Plasmid (m): sc-77100-SH, DC-LAMP shRNA (h) Lentiviral Particles: sc-77099-V and DC-LAMP shRNA (m) Lentiviral Particles: sc-77100-V.

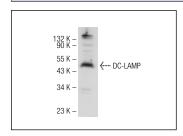
Molecular Weight of DC-LAMP: 70-90 kDa.

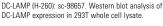
Positive Controls: mouse lymph node tissue.

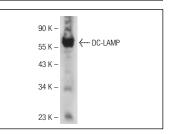
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA







DC-LAMP (H-260): sc-98657. Western blot analysis of DC-LAMP expression in mouse lymph node tissue extract.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.