

DC-LAMP Polyclonal Antibody

Catalog # AP69485

Product Information

Application	WB, IHC-P
Primary Accession	Q9UQV4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44346

Additional Information

Gene ID	27074
Other Names	LAMP3; DCLAMP; TSC403; Lysosome-associated membrane glycoprotein 3; LAMP-3; Lysosomal-associated membrane protein 3; DC-lysosome-associated membrane glycoprotein; DC LAMP; Protein TSC403; CD antigen CD208
Dilution	WB~~Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	LAMP3
Synonyms	DCLAMP, TSC403
Function	Lysosomal membrane glycoprotein which plays a role in the unfolded protein response (UPR) that contributes to protein degradation and cell survival during proteasomal dysfunction (PubMed: 25681212). Plays a role in the process of fusion of the lysosome with the autophagosome, thereby modulating the autophagic process (PubMed: 24434718). Promotes hepatocellular lipogenesis through activation of the PI3K/Akt pathway (PubMed: 29056532). May also play a role in dendritic cell function and in adaptive immunity (PubMed: 9768752).
Cellular Location	Cell surface. Lysosome membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Early endosome membrane; Single-pass type I membrane protein. Note=During dendritic cell maturation, detected on cytoplasmic vesicles (the MHC II compartment) that contain MHC II proteins, LAMP1, LAMP2 and LAMP3

(PubMed:9768752). Detected on lysosomes in mature dendritic cells
(PubMed:9768752).

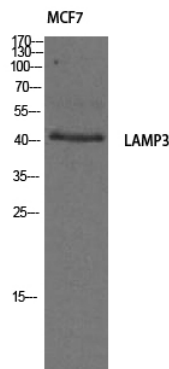
Tissue Location

Detected in tonsil interdigitating dendritic cells, in spleen, lymph node, Peyer's patches in the small intestine, in thymus medulla and in B-cells (at protein level). Expressed in lymphoid organs and dendritic cells. Expressed in lung. Up-regulated in carcinomas of the esophagus, colon, rectum, ureter, stomach, breast, fallopian tube, thyroid and parotid tissues

Background

May play a role in dendritic cell function and in adaptive immunity.

Images



Western Blot analysis of MCF7 cells using DC-LAMP Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.