

**DC-LAMP Polyclonal Antibody**

<b>Catalog No :</b>	YT5891
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	DC-LAMP
<b>Fields :</b>	>>Lysosome
<b>Gene Name :</b>	LAMP3 DCLAMP TSC403
<b>Protein Name :</b>	Lysosome-associated membrane glycoprotein 3 (LAMP-3) (Lysosomal-associated membrane protein 3) (DC-lysosome-associated membrane glycoprotein) (DC LAMP) (Protein TSC403) (CD antigen CD208)
<b>Human Gene Id :</b>	27074
<b>Human Swiss Prot No :</b>	Q9UQV4
<b>Mouse Gene Id :</b>	239739
<b>Mouse Swiss Prot No :</b>	Q7TST5
<b>Immunogen :</b>	Synthetic peptide from human protein at AA range: 261-310
<b>Specificity :</b>	The antibody detects endogenous DC-LAMP
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000,IHC 1:500-200, ELISA 1:10000-20000. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 44kD

**Cell Pathway :** Lysosome;

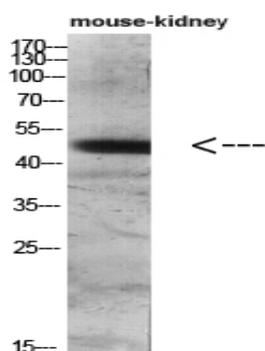
**Background :** Dendritic cells (DCs) are the most potent antigen-presenting cells. Immature DCs efficiently capture antigens and differentiate into interdigitating dendritic cells (IDCs) in lymphoid tissues that induce primary T-cell responses (summary by de Saint-Vis et al., 1998 [PubMed 9768752]).[supplied by OMIM, Dec 2010],

**Function :** function:Might change the lysosome function after the transfer of peptide-MHC class II molecules to the surface of dendritic cells.,similarity:Belongs to the LAMP family.,tissue specificity: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.,

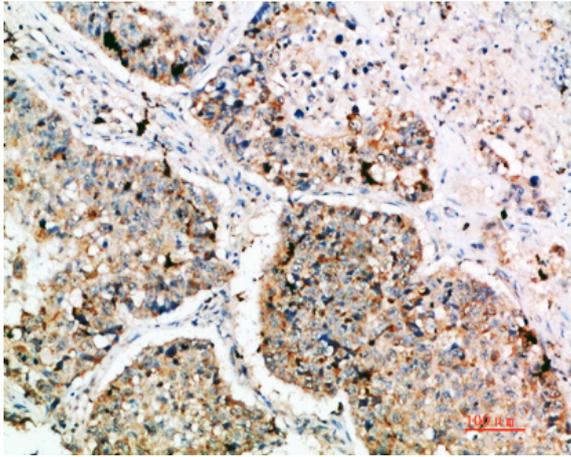
**Subcellular Location :** Cell surface . Lysosome membrane ; Single-pass type I membrane protein . Cytoplasmic vesicle membrane ; Single-pass type I membrane protein . Early endosome membrane ; Single-pass type I membrane protein . During dendritic cell maturation, detected on cytoplasmic vesicles (the MHC II compartment) that contain MHC II proteins, LAMP1, LAMP2 and LAMP3 (PubMed:9768752). Detected on lysosomes in mature dendritic cells (PubMed:9768752). .

**Expression :** 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.

## Products Images



Western blot analysis of mouse-lung mouse-heart 293T Hela 3T3 lysate, antibody was diluted at 500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-lung-cancer, antibody was diluted at 1:200