

LAMP2 (ANT0049R) Rabbit mAb

CatalogNo: ANT8157 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse
- WB,IHC,IF,IP,ELISA

Reactivity

Applications

MW

- 45kD (Calculated)
- 120kD (Observed)
- IgG,Kappa

Isotype

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:1000-1:5000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200,

Storage

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

Basic Information

Clonality Monoclonal

Clone Number ANT0049R

Target Information

Endogenous

Gene name LAMP2
Protein Name Lysosome-associated membrane glycoprotein 2

Organism	Gene ID	UniProt ID
Human	3920 ;	P13473 ;
Mouse		P17047 ;

Cellular Localization Membranous

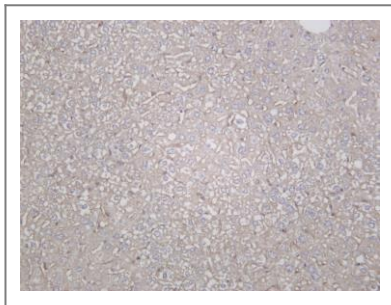
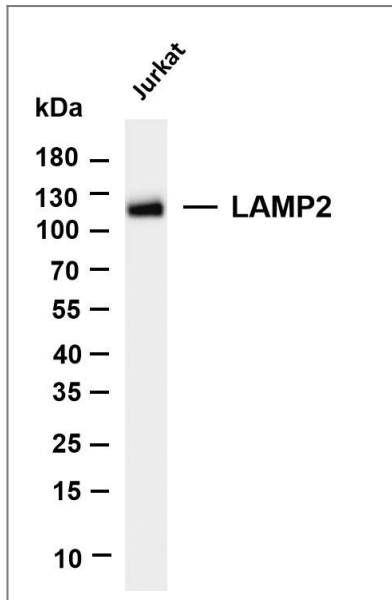
Tissue specificity Isoform LAMP-2A is highly expressed in placenta, lung and liver, less in kidney and pancreas, low in brain and skeletal muscle (PubMed:7488019, PubMed:26856698). Isoform LAMP-2B is detected in spleen, thymus, prostate, testis, small intestine, colon, skeletal muscle, brain, placenta, lung, kidney, ovary and pancreas and liver (PubMed:7488019, PubMed:26856698). Isoform LAMP-2C is detected in small intestine, colon, heart, brain, skeletal muscle, and at lower levels in kidney and placenta (PubMed:26856698).

Function Disease:Defects in LAMP2 are the cause of Danon disease (DAND) [MIM:300257]; also known as glycogen storage disease type 2B (GSD2B). DAND is a lysosomal glycogen storage disease characterized by the clinical triad of cardiomyopathy, vacuolar myopathy and mental retardation. It is often associated with an accumulation of glycogen in muscle and lysosomes.,Function:Implicated in tumor cell metastasis. May function in protection of the lysosomal membrane from autodigestion, maintenance of the acidic environment of the lysosome, adhesion when expressed on the cell surface (plasma membrane), and inter-and intracellular signal transduction.,ANTM:O- and N-glycosylated; some of the 16 N-linked glycans are polylactosaminoglycans.,similarity:Belongs to the LAMP family.,subcellular location:This protein shuttles between lysosomes, endosomes, and the plasma membrane.,tissue specificity:Isoform LAMP-2A is highly expressed in placenta, lung and liver, less in kidney and pancreas, low in brain and skeletal muscle. Isoform LAMP-2B is highly expressed in skeletal muscle, less in brain, placenta, lung, kidney and pancreas, very low in liver.,

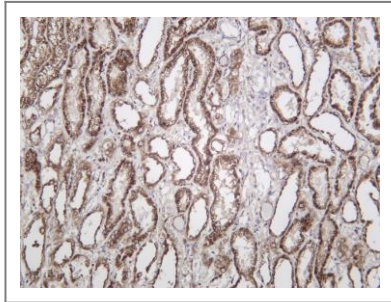
Validation

Data

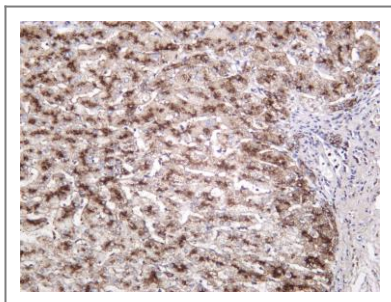
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-LAMP2 (ANT0049R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Jurkat Predicted band size: 45kDa Observed band size: 120kDa



Mouse liver was stained with Anti-LAMP2 (ANT0049R) rabbit antibody



Human kidney was stained with Anti-LAMP2 (ANT0049R) rabbit antibody



Human liver was stained with Anti-LAMP2 (ANT0049R) rabbit antibody

For Research use only, not for diagnostics and clinical use
Contact Antagene Inc Tel 1-866-964-2589 Email: info@antageneinc.com