

Product Datasheet

LAMP2 Antibody NBP2-22217SS

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-22217SS

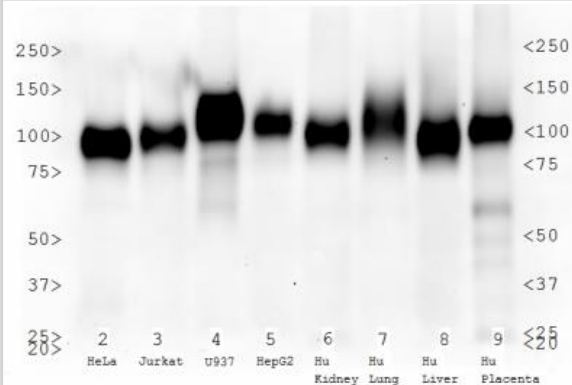
LAMP2 Antibody (H4B4)

Product Information	
Unit Size	0.025 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	H4B4
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	3920
Gene Symbol	LAMP2
Species	Human, Mouse (Negative), Rat (Negative)
Species Reactivity	Human. Does not react with mouse or rat.
Marker	Late Endosome / Lysosome marker
Immunogen	Human adherent spleen cells.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 1 ug per million cells, Immunocytochemistry/Immunofluorescence 1:10-1:100, Immunohistochemistry 1:100 - 1:200, Immunohistochemistry-Frozen 1:100 - 1:200, Immunohistochemistry-Paraffin 1:100 - 1:200, Western Blot 1:1000
Application Notes	In Western blot, bands may be seen at ~40 kDa and 45 kDa representing the unglycosylated isoforms of LAMP2 and ~110 kDa representing the glycosylated form.

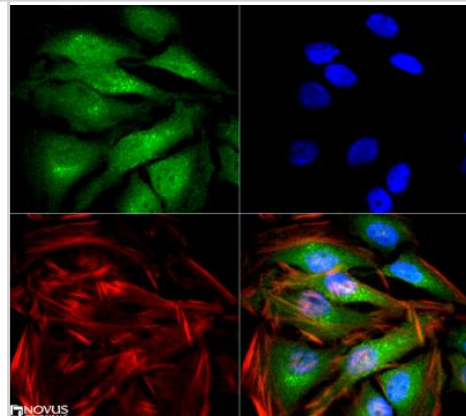


Images

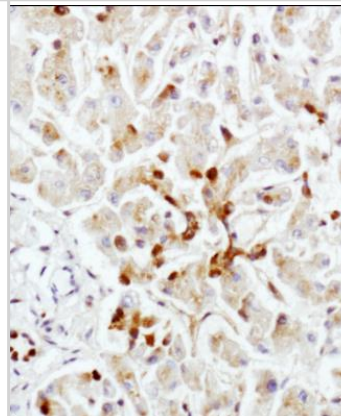
Western Blot: LAMP2 Antibody (H4B4) [NBP2-22217] - Analysis of LAMP2 expression in HeLa, Jurkat, U937, HepG2 whole cell lysates, human kidney, lung, liver and placenta tissue extracts.



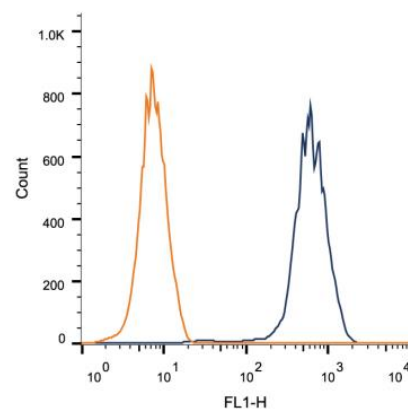
Immunocytochemistry/Immunofluorescence: LAMP2 Antibody (H4B4) [NBP2-22217] - The LAMP2 antibody was tested in HeLa cells at a 1:10 dilution against Dylight 488 (Green). Actin was counterstained against Phalloidin 568 (Red) and cells were mounted in DAPI Fluoromount (Blue).



Immunohistochemistry-Paraffin: LAMP2 Antibody (H4B4) [NBP2-22217] - IHC staining of LAMP2 in human liver using DAB with hematoxylin counterstain.



Flow Cytometry: LAMP2 Antibody (H4B4) [NBP2-22217] - Intracellular flow cytometric staining of 1×10^6 HEK-293 cells using LAMP2 antibody (dark blue). Isotype control shown in orange. An antibody concentration of $1 \mu\text{g}/1 \times 10^6$ cells was used.



Publications

Warren RA, Green FA, Stenberg PE, Enns CA. Distinct saturable pathways for the endocytosis of different tyrosine motifs. *J Biol Chem*. 1998 Jul 3 [PMID: 9642270]

Nishino I, Fu J, Tanji et al. Primary LAMP-2 deficiency causes X-linked vacuolar cardiomyopathy and myopathy (Danon disease). *Nature*. 2000 Aug 24 [PMID: 10972294] (WB, IHC, Human)

Zhang Y, Higashide W, Dai S et al. Recognition and ubiquitination of Salmonella type III effector SopA by a ubiquitin E3 ligase, HsRMA1. *J Biol Chem*. 2005 Nov 18 [PMID: 16176924] (WB, Human)

Kunzli BM, Berberat PO, Zhu ZW et al. Influences of the lysosomal associated membrane proteins (Lamp-1, Lamp-2) and Mac-2 binding protein (Mac-2-BP) on the prognosis of pancreatic carcinoma. *Cancer*. 2002 Jan 1 [PMID: 11815981] (IHC, Human)

Bhandari D, Trejo J, Benovic JL, Marchese A. Arrestin-2 interacts with the ubiquitin-protein isopeptide ligase atrophin-interacting protein 4 and mediates endosomal sorting of the chemokine receptor CXCR4. *J Biol Chem*. 2007 Dec 21 [PMID: 17947233] (ICC/IF, Human)

Iwata A, Riley BE, Johnston JA, Kopito RR. HDAC6 and microtubules are required for autophagic degradation of aggregated huntingtin. *J Biol Chem*. 2005 Dec 2 [PMID: 16192271] (ICC/IF, Human)

Garcia-del Portillo F, Stein MA, Finlay BB. Release of lipopolysaccharide from intracellular compartments containing Salmonella typhimurium to vesicles of the host epithelial cell. *Infect Immun*. 1997 Jan [PMID: 8975888] (ICC/IF, Human)





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

