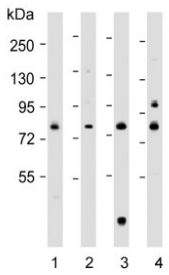
LH1 Antibody / PLOD1 (F54237)

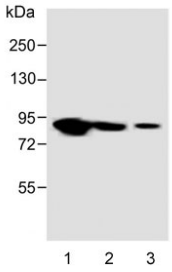
Catalog No.	Formulation	Size
F54237-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54237-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

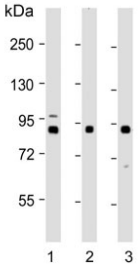
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q02809
Gene ID	5351
Applications	Western blot: 1:500-1:1000 Immunohistochemistry (FFPE): 1:10-1:5 Flow cytometry: 1:25 (1x10e6 cells)
Limitations	This LH1 antibody is available for research use only.



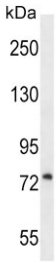
Western blot testing of human 1) A431, 2) MCF7, 3) U-2 OS and 4) U-87 MG cell lysate with LH1 antibody. Predicted molecular weight ~83 kDa.



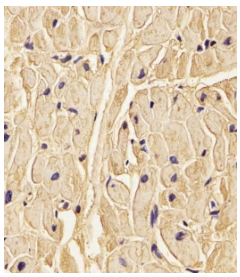
Western blot testing of human 1) U-87 MG, 2) MCF7 and 3) K562 cell lysate with LH1 antibody. Predicted molecular weight ~83 kDa.



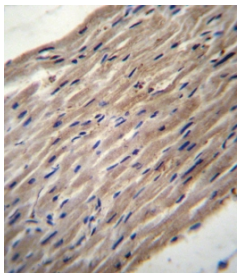
Western blot testing of human 1) MCF7, 2) K562 and 3) U-2 OS cell lysate with LH1 antibody. Predicted molecular weight ~83 kDa.



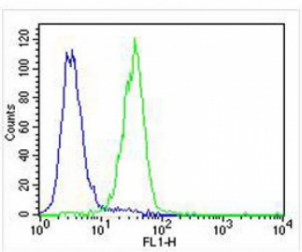
Western blot testing of human U251 cell lysate with LH1 antibody. Predicted molecular weight ~83 kDa.



IHC testing of FFPE human heart tissue with LH1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human heart tissue with LH1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of fixed and permeabilized human U-87 MG cells with LH1 antibody; Blue=isotype control, Green= LH1 antibody.

Description

Lysyl hydroxylase is a membrane-bound homodimeric protein localized to the cisternae of the endoplasmic reticulum. The enzyme (cofactors iron and ascorbate) catalyzes the hydroxylation of lysyl residues in collagen-like peptides. The resultant hydroxylysyl groups are attachment sites for carbohydrates in collagen and thus are critical for the stability of intermolecular crosslinks. Some patients with Ehlers-Danlos syndrome type VI have deficiencies in lysyl hydroxylase activity.

Application Notes

The stated application concentrations are suggested starting points. Titration of the LH1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 66-94 from the human protein were used as the immunogen for the LH1 antibody.

Storage

Aliquot the LH1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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