



Request Information

Permalink

Monoclonal Antibodies Against GPIHBP1

Tech ID: 23751 / UC Case 2014-255-0

INNOVATION

Researchers at UCLA have developed monoclonal antibodies that recognize mouse and human glycosylphosphatidylinositol-anchored high density lipoprotein binding protein 1 (GPIHBP1).

- ▶ Rat monoclonal antibody, 11A12, against mouse GPIHBP1
- ▶ Mouse monoclonal antibody against human GPIHBP1

BACKGROUND

Dietary fats are packaged by the intestines into triglyceride-rich lipoproteins called chylomicrons. The triglycerides in chylomicrons are hydrolyzed by lipoprotein lipase (LPL) along the luminal surface of capillaries, mainly in heart, skeletal muscle, and adipose tissue. GPIHBP1 is a capillary endothelial cell protein that provides a platform for LPL-mediated processing of chylomicrons (Beigneux et al., 2007 [PubMed 17403372]).

APPLICATIONS

Western, IHC, ICC

RELATED MATERIALS

- ▶ [Highly Conserved Cysteines within the Ly6 Domain of GPIHBP1 Are Crucial for the Binding of Lipoprotein Lipase. J Biol Chem. \(2009\)](#)
- ▶ [GPIHBP1 is responsible for the entry of lipoprotein lipase into capillaries. Cell Metab. \(2010\)](#)

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- ▶ [A New Mechanism For Hypertriglyceridemia In Humans](#)
- ▶ [Mouse Model for Premature Aging: Zmpste24 Knockout Mice](#)
- ▶ [Monoclonal Antibodies Against Prelamin A](#)

CONTACT

UCLA Technology Development Group
ncd@tdg.ucla.edu
tel: 310.794.0558.



INVENTORS

- ▶ Fong, Loren G.
- ▶ Young, Stephen G.

OTHER INFORMATION

KEYWORDS

antibody, monoclonal, lipid,
triglyceride, reagents, research tools

CATEGORIZED AS

- ▶ [Research Tools](#)
- ▶ [Antibodies](#)

RELATED CASES

2014-255-0

