

LECT1 antibody

Catalog No: #39067

Package Size: #39067-1 50ul #39067-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

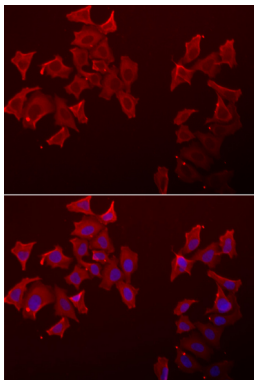
Product Name	LECT1 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total LECT1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human LECT1.
Target Name	LECT1
Other Names	CHM1; CHM-I; BRICD3; MYETS1;
Accession No.	Swiss-Prot#: O75829NCBI Gene ID: 11061
SDS-PAGE MW	37kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

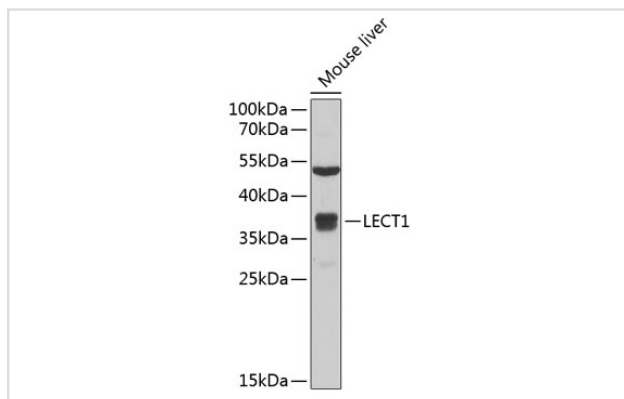
Western blotting: □1:500 - 1:2000

Immunofluorescence: □1:50 - 1:100

Images



Immunofluorescence analysis of A549 cells using LECT1 antibody. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of mouse liver, using LECT1 antibody at 1:1000 dilution.

Background

This gene encodes a glycosylated transmembrane protein that is cleaved to form a mature, secreted protein. The N-terminus of the precursor protein shares characteristics with other surfactant proteins and is sometimes called chondrosurfactant protein although no biological activity has yet been defined for it. The C-terminus of the precursor protein contains a 25 kDa mature protein called leukocyte cell-derived chemotaxin-1 or chondromodulin-1. The mature protein promotes chondrocyte growth and inhibits angiogenesis. This gene is expressed in the avascular zone of prehypertrophic cartilage and its expression decreases during chondrocyte hypertrophy and vascular invasion. The mature protein likely plays a role in endochondral bone development by permitting cartilaginous anlagen to be vascularized and replaced by bone. It may be involved also in the broad control of tissue vascularization during development. Alternative splicing results in multiple transcript variants encoding different isoforms.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.