

Rabbit LECT1 Polyclonal Antibody | anti-LECT1 antibody

LECT1 Antibody (C-term)

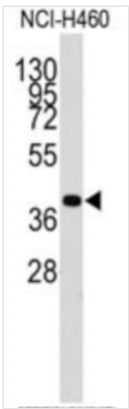
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289696	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rabbit, Rat)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

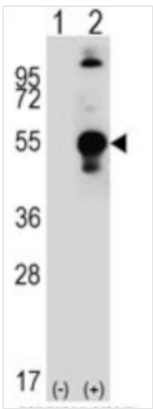
LECT1; Polyclonal Antibody; LECT1 Antibody (C-term); Leukocyte cell-derived chemotaxin 1; Chondrosurfactant protein; CH-SP; Chondromodulin-1; Chondromodulin-I; ChM-I; CHMI; anti-LECT1 antibody

PRODUCT SPECIFICATIONS

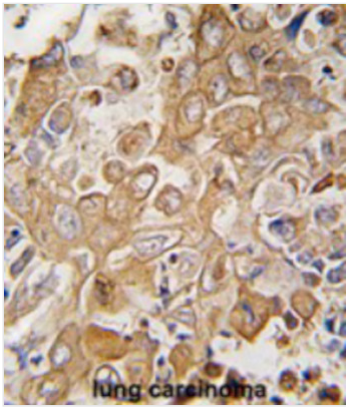
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rabbit, Rat)
Clonality	Polyclonal
Isotype	IgG
Specificity	This LECT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 253-281 amino acids from the C-terminal region of human LECT1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	253-281
Sequence Length	333
Applicable Applications for anti-LECT1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Function	Bifunctional growth regulator that stimulates the growth of cultured chondrocytes in the presence of basic fibroblast growth factor (FGF) but inhibits the growth of cultured vascular endothelial cells. May contribute to the rapid growth of cartilage and vascular invasion prior to the replacement of cartilage by bone during endochondral bone development. Inhibits in vitro tube formation and mobilization of endothelial cells. Plays a role as antiangiogenic factor in cardiac valves to suppress neovascularization.
Cellular Location	[Chondromodulin-1]: Secreted, extracellular space, extracellular matrix. Note=Accumulated in the inter-territorial matrix of cartilage
Tissue Location	Detected in cartilage and cardiac valves (at protein level). Detected in the laminae fibrosa, spongiosa and ventricularis layers of normal cardiac valves (at protein level) Expression is decreased cardiac valves of patients with valvular heart disease (at protein level). Weakly expressed in chondrosarcoma.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of LECT1 (arrow) using rabbit polyclonal LECT1 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the LECT1 gene.



WB (Western Blot)
Western blot analysis of anti-LECT1 Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane).LECT1(arrow) was detected using the purified Pab.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with LECT1 antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

ADDITIONAL INFORMATION

Related Product Information for anti-LECT1 antibody	LECT1 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 protein 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.
Product Categories/Family for anti-LECT1 antibody	Cancer; Cardiovascular; Cell biology; Signal transduction
References	Aoyama,T., Biochem. Biophys. Res. Commun. 365 (1), 124-130 (2008) Yoshioka,M., Nat. Med. 12 (10), 1151-1159 (2006) Aoyama,T., J. Biol. Chem. 279 (27), 28789-28797 (2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	59806343
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NCBI GeneID	11061
NCBI Accession #	NP_001011705.1; NP_008946.1
NCBI GenBank Nucleotide #	NM_001011705.1
UniProt Accession #	O75829; Q5TAM4; Q8TAY6; Q9UM18
Molecular Weight	37102
NCBI Official Full Name	leukocyte cell-derived chemotaxin 1 isoform 2
NCBI Official Synonym Full Names	leukocyte cell derived chemotaxin 1
NCBI Official Symbol	LECT1
NCBI Official Synonym Symbols	CHM1; CHM-I; BRICD3; MYETS1
NCBI Protein Information	leukocyte cell-derived chemotaxin 1
UniProt Protein Name	Leukocyte cell-derived chemotaxin 1
UniProt Gene Name	LECT1
UniProt Synonym Gene Names	CHMI; CH-SP; ChM-I
UniProt Entry Name	LECT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/lect1-antibody-western-blot-immunohistochemistry-elisa/289696>