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## LECT1 Rabbit pAb

Catalog Number: bs-7516R

Target Protein: LECT1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: **WB** (1:500-2000), **IHC-P** (1:100-500), **IHC-F** (1:100-500), **IF** (1:100-500)

Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Cow, Dog, GuineaPig)

Predicted MW: 14 kDa

Subcellular: Secreted, Cell membrane

Locations:

Entrez Gene: 11061

Swiss Prot: O75829

Source: KLH conjugated synthetic peptide derived from human LECT1: 231-334/334.

Purification: affinity purified by Protein A

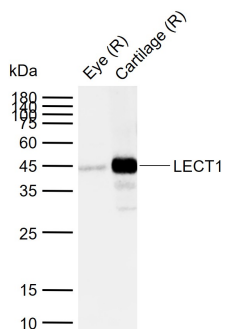
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

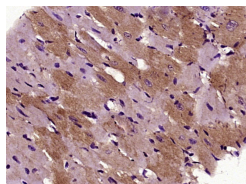
**Background:** The LECT1 gene encodes a glycosylated transmembrane protein which is cleaved to form a mature, secreted protein. The N terminus of the precursor protein shares characteristics with other surfactant proteins and is sometimes called chondrosurfactant protein, although no biological activity has yet been defined for it. The C terminus of the precursor protein contains a 25 kDa mature protein called leukocyte cell derived chondromodulin 1 or chemotaxin 1. The mature protein inhibits angiogenesis and promotes chondrocyte growth. 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.

## VALIDATION IMAGES

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Sample: Lane 1: Rat Eye tissue lysates Lane 2: Rat Cartilage tissue lysates Primary: Anti-LECT1 (bs-7516R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 14 kDa Observed band size: 45 kDa



Paraformaldehyde-fixed, paraffin embedded (mouse heart tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LECT1) Polyclonal Antibody, Unconjugated (bs-7516R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

**[IF=2.061]** Kumagai Y et al. Chondromodulin-1 and vascular endothelial growth factor-A expression in esophageal squamous cell carcinoma: accelerator and brake theory for angiogenesis at the early stage of cancer progression. Esophagus. 2019 Oct 8. IHC ; Human . 31595395