

For Research Use Only

COMP Polyclonal antibody

Catalog Number: 13641-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

13641-1-AP

Size:

150ul, Concentration: 700 µg/ml by Nanodrop and 393 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4575

GenBank Accession Number:

BC033676

GeneID (NCBI):

1311

UNIPROT ID:

P49747

Full Name:

cartilage oligomeric matrix protein

Calculated MW:

757 aa, 83 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human

Cited Species:

human, mouse, rat

Background Information

COMP is a secreted pentameric glycoprotein built from modular units and belongs to the thrombospondin protein family. COMP is expressed by hypertrophic chondrocytes and osteoblasts during endochondral ossification, and its expression is increased during fracture healing. COMP is involved in the assembly of collagen fibrils and other structural matrix components. COMP interacts with a number of cartilage ECM proteins, including fibronectin, collagen I, II IX, XII, and XIV, matrilins, as well as proteoglycans such as aggrecan and others.

Notable Publications

Author	Pubmed ID	Journal	Application
Yunjiao Wang	31225686	Cell Prolif	IF
Tobias G Schips	30622267	Nat Commun	WB
Xing Fu	29664017	J Clin Invest	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

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