

COMP Monoclonal antibody, PBS Only

Catalog Number: 66793-1-PBS

Basic Information

Catalog Number:

66793-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

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

Observed MW:

100-130 kDa

Purification Method:

Protein G purification

CloneNo.:

1D7A6

Applications

Tested Applications:

WB, Indirect ELISA, IF

Species Specificity:

Human, pig

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. This antibody got 100-130 kDa maybe due to glycosylation.

Storage

Storage:

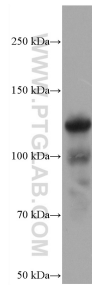
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

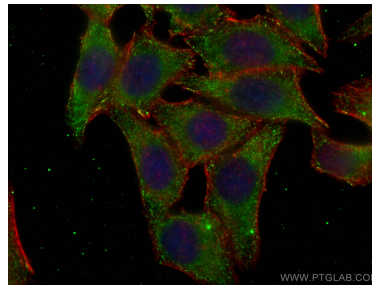
Storage Buffer:

PBS Only

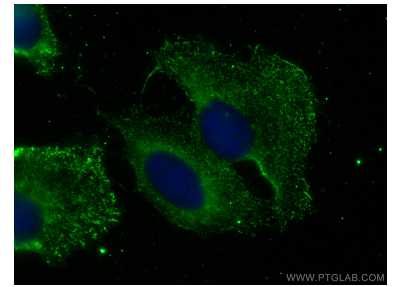
Selected Validation Data



pig cartilage tissue were subjected to SDS PAGE followed by western blot with 66793-1-Ig (COMP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66793-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using COMP antibody (66793-1-Ig, Clone: 1D7A6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 66793-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using COMP antibody (66793-1-Ig, Clone: 1D7A6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66793-1-PBS in a different storage buffer formulation.