

Data Sheet

RAT CARTILAGE OLIGOMERIC MATRIX PROTEIN (COMP)

ANTIBODY, POLYCLONAL

Catalog no.: AP1007.1 / AP1007.2

Immunogen: Recombinant rat COMP Fragment (Type III repeats + C-terminal region)

Swiss-Prot No: P35444

Gene Information: Gene Name: Comp

GenelD: 25304

Host: Rabbit **Matrix:** Serum

Specificity: Rat COMP, mouse COMP, and human COMP

Contents: $20 \mu l / 100 \mu l$ (lyophilized)

Resuspend in aqua bidest.

Known applications: Western Blot (1:1000), immunohistochemistry

(paraffin sections)2

This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate

negative/positive controls.

Store at: 2-8 °C (lyophilized); - 20 °C (dissolved)

Repeated thawing and freezing must be avoided

Reference: 1. Spitznagel L, Nitsche DP, Paulsson M, Maurer P, Zaucke F (2004) Characterization of a

pseudoachondroplasia-associated mutation (His587-->Arg) in the C-terminal, collagen-binding

domain of cartilage oligomeric matrix protein (COMP). *Biochem J* **377**(Pt 2): 479-487.

2. Schmidt KG, Herrero San Juan M, Trautmann S, Berninger L, Schwiebs A, Ottenlinger FM, Thomas D, Zaucke F, Pfeilschifter JM & Radeke HH (2017). Sphingosine-1-Phosphate Receptor 5 Modulates Early-Stage Processes during Fibrogenesis in a Mouse Model of Systemic Sclerosis: A Pilot Study. *Front*.

Immunol. 8: 1-13.

Last updated on: 27 April 2022

For research use only

Publishing research using AP1007? Please let us know so that we can cite your publication as a reference.

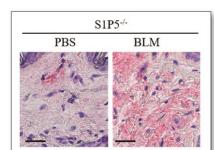


Figure 1: Immunohistochemistry staining of COMP in paraffin section of mouse skin. Sphingosine-1-phosphate receptor 5 knock-out (S1P5-/-) mice were treated for 4 weeks with PBS or low-dose bleomycin (BLM). Skin sections were deparaffinized and hyaluronidase-treated. The sections were incubated with AP1007, followed by a biotinylated anti-rabbit secondary antibody and red alkaline phosphatase conjugate. COMP staining is increased in dermis of S1P5-/- mice after BLM-treatment.

Schmidt KG et al. (2017) Frontiers Immunol 8:1242