



## Data Sheet

# RAT CARTILAGE OLIGOMERIC MATRIX PROTEIN (COMP)

ANTIBODY, POLYCLONAL

<b>Catalog no.:</b>	AP1007.1 / AP1007.2
<b>Immunogen:</b>	Recombinant rat COMP Fragment (Type III repeats + C-terminal region)
<b>Swiss-Prot No:</b>	P35444
<b>Gene Information:</b>	Gene Name: Comp GeneID: 25304
<b>Host:</b>	Rabbit
<b>Matrix:</b>	Serum
<b>Specificity:</b>	Rat COMP, mouse COMP, and human COMP
<b>Contents:</b>	20 µl / 100 µl (lyophilized) Resuspend in aqua bidest.

**Known applications:** Western Blot (1:1000), immunohistochemistry (paraffin sections)<sup>2</sup>

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.

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