

Data Sheet

RAT CARTILAGE OLIGOMERIC MATRIX PROTEIN (COMP)

ANTIBODY, POLYCLONAL

Catalog no.: AP1009.1 / AP1009.2

Immunogen: Recombinant rat COMP Fragment

(Type III repeats + C-terminal region)

Swiss-Prot No: P35444

Gene Information: Gene Name: Comp

GenelD: 25304

Host: Chicken **Matrix:**

Specificity: Rat COMP, mouse and human COMP

Serum

Contents: 20 μl / 100 μl (lyophilized)

Resuspend in 20 µl / 100 µl aqua bidest.

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

(paraffin sections, 1:3000)

This antibody has not been tested for use in all applications. This does not necessarily exclude its use for non-tested procedures. The stated dilutions are recommendations only. We suggest that the applicant titrates the antibody in his/her

system using appropriate negative/positive controls.

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

Repeated thawing and freezing must be

avoided

References: 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): 479-87.

Last updated on: 05 August 2016

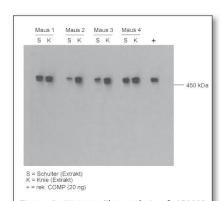


Figure 1: Western Blot analysis of AP1009 specificity. Protein extracts of murine shoulder (S) and knee (K) joints were separated by SDS-PAGE and immunoblotted with AP1009 (1:1000). Recombinant COMP protein (+) served as positive control.

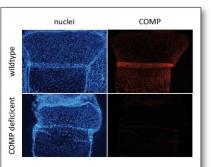
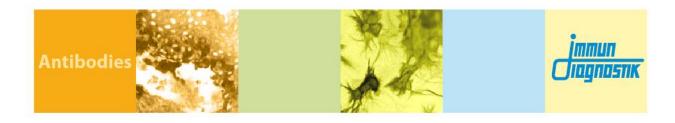


Figure 2: Immunofluorescence image of COMP staining in paraffin sections of tibia from wild type and COMP-deficient mice. The sections were incubated with AP1009 (1:3000), followed by rabbit anti-chicken IgY/IgG coupled to Cy3 (1:400). Nuclei were stained with Hoechst 33342. COMP is highly abundant in wild type, but not in COMP-deficient cartilage.





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