

Rabbit Polyclonal Anti-Type IX Collagen Antibody
Carboxyl non-collagenous four (NC4) domain specific

Product Number 50-1013
Lot R1688

Size: 50 µL serum/vial
Preservative: No Preservatives added

Suggested Working Dilution Range:

Western blot: Dilution 1:1000

Storage: Store product at -70°C until required. Once thawed, antibody may be diluted 1:10 in PBS, pH 7.2 with 1% BSA and 0.05% sodium azide. Unused portions of antibody as well as 1:10 dilution may be refrozen until needed. After making working dilutions do not use for more than one (1) day.

Expiration Date: 1 year at -70 °C. The 1:10 dilution prepared as recommended is stable for up to three (3) months at 2 – 8°C.

Cross Reactivity: Cross-reacts with mouse, bovine and human.

Antibody Specificity: This polyclonal antibody was raised against a 16 aa peptide sequence from human NC4 domain of type IX collagen. This antibody does not cross

react with collagen type I, II, V, VI, X and XI. It shows minimal cross reactivity with collagen type III.

Notes

Western blotting of culture medium from bovine fetal chondrocytes showed that the NC4 domain was released as a doublet with the higher molecular weight band having an apparent molecular weight of 27 Kda.

For in vitro research only, not for diagnostic or therapeutic use

References:

1. Kojima *et al.*, (2001) Arthritis and Rheumatism 44: 120-127.
2. Mwale *et al.*, (2000) Developmental Dynamics 218: 648-662.
3. Mwale *et al.*, (2002) J. Bone Mineral Research 17: 275-283.