

**GOAT ANTI-MMP-13
POLYCLONAL ANTIBODY**

CATALOG NUMBER: AB8120

LOT NUMBER:

QUANTITY: 100 µg

CONCENTRATION: 1 mg/mL

SPECIFICITY: Generated against procollagenase-3 (pro-MMP13) from mouse bone, antibody AB8120 is reactive with murine and rat MMP-13, pro-MMP-13, and most autolytic fragments of MMP-13. The antibody does not recognize human MMP-13, mouse MMP-2, MMP-3, or MMP-9.

APPLICATIONS: Western blot: Non-reduced 1% SDS sample buffer:1:2000-1:5000, antibody detects proform (57kDa) and all active forms (45kDa), and 20kDa.
Immunocytochemistry, PLP fixation.
Functional blocking of MMP-13 activity
Immunoprecipitation
Immunohistochemistry using PLP fixation, frozen sections; formalin & paraffin processed tissues are untested.
For PLP fixation, it is recommended to perfuse the animals with PBS or Ringer's for 1-2 minutes followed by freshly made PLP fixative for 5-10 minutes. Tissues are then post-fixed in PLP for an additional 4 hours. After fixation the tissue is washed in PBS containing 10% DMSO as a cryoprotectant. The tissue is then quick-frozen and 40 micron sections are prepared. Some sections may be returned to PLP fixation which contains EDTA and 5% PVP for 2 hours at 4C, while remaining sections were rapidly decalcified by incubation either in 4% EDTA, 0.44% NaOH, 4% PVP or in 40% formic acid, 8% sodium formate for 2-16 hours at 4C with agitation. If bone is not being examined, decalcification is not necessary. Treatment of tissue with chondroitinase ABC (0.24U/ml in PBS 90', 37C) enhanced reactivity in some cases, and a small amount of triton X-100 in the blocking solution usually helped with antibody penetration into the tissue.

Optimal working dilutions must be determined by end user.

Purified whole molecule enzyme from newborn mice calvaria cultured in the presence of heparin.

IMMUNOGEN:

SPECIES REACTIVITIES: Mouse and rat. Not reactive with human.

FORMAT: Purified immunoglobulin

PRESENTATION: Liquid in PBS containing no preservatives.

STORAGE/HANDLING: Maintain frozen at -20°C in undiluted aliquots for up to 12 months; multiple freeze thaws are not recommended.

REFERENCES:

Delaisse JM et al. (1993) "Pro-collagenase (matrix metalloproteinase 1) is present in rodent

For research use only; not for use as a diagnostic.

osteoclasts and in the underlying bone-resorbing compartment.” Jour. Cell Sci 106:1071-1082.

Carmeliet P., et.al. (1997) “Urokinase-generated plasmin activates matrix metalloproteinases during aneurysm formation.” Nat. genetics 17:439-444.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

For research use only; not for use as a diagnostic.

© 2002-2004: CHEMICON International, Inc. - By CHEMICON International, Inc. All rights reserved. No part of these works may be reproduced in any form without permissions in writing.

USA & Canada • Phone: +1(800) 437-7500 • Fax: +1 (951) 676-9209 • Europe +44 (0) 23 8026 2233
Australia +61 3 9839 2000 • Germany +49-6192-207300 • ISO Registered worldwide
www.chemicon.com • custserv@chemicon.com • techserv@chemicon.com