

Basic Information

Product Name	Anti-MMP3 Antibody (Clone#BBO-13)	
Gene Name	MMP3	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human MMP3	
Concentration	500ug/ml	
Purification	Affinity-chromatography	
Observed MW	54 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200	

Storage

12 months from date of receipt, -20°C as supplied.

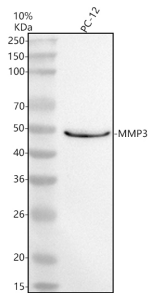
Background Information

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

Reference

Anti-MMP3 Antibody (Clone#BBO-13)被引用在27文献中。

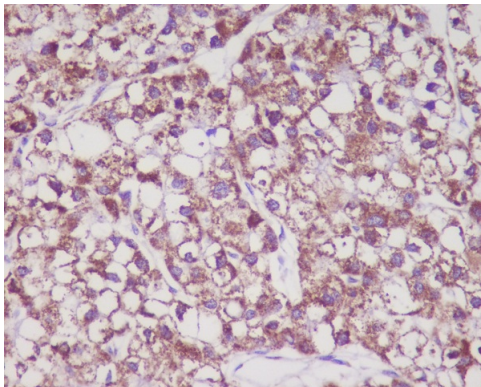
Selected Validation Data



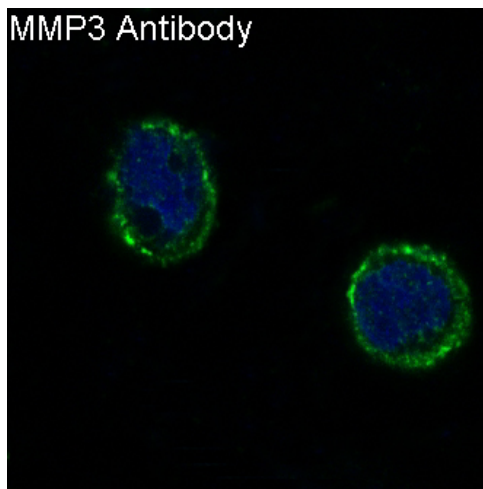
Western blot analysis of anti-MMP3 antibody (BM4074). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat PC-12 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-MMP3 antigen affinity purified monoclonal antibody (BM4074) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for MMP3 at approximately 50 kDa. The expected band size for MMP3 is at 50 kDa.



Immunohistochemical analysis of paraffin-embedded human liver cancer, using MMP3 Antibody.



Immunofluorescent analysis of HeLa cells, using MMP3 Antibody.