

## MMP14 Rabbit monoclonal antibody

Catalog: BS9899M

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. Membrane-type matrix metalloproteinases, including MT-MMP-1 (also designated MMP-14), MT-MMP-2 (also designated MMP-15), MT-MMP-3 (also designated MMP-16) and MT-MMP-4 (also designated MMP-17) are type I membrane proteins that function to activate other MMPs. MT-MMP activation appears to be mediated by members of the proprotein convertase family, suggesting that a proprotein convertase/MT-MMP/MMP cascade may be involved in the regulation of ECM turnover.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 65 kDa

### Swiss-Prot:

P50281

### Purification&Purity:

Protein A affinity purified

### Applications:

WB: 1:1000 FC: 1:50-1:100

IHC/ICC/IF: 1:50-1:200

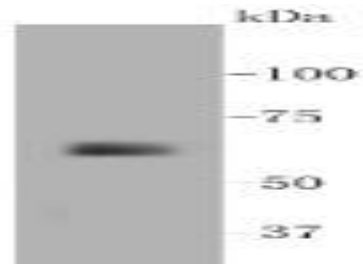
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

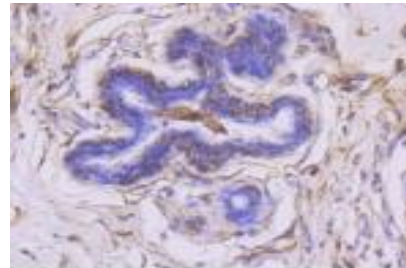
### Specificity:

This antibody detects endogenous levels of MMP14 and does not cross-react with related proteins.

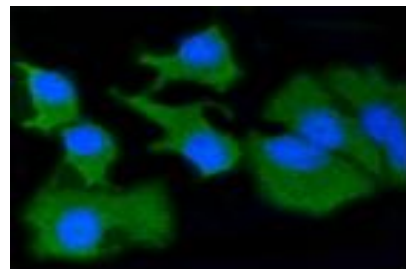
### DATA:



Western blot (WB) analysis of MMP14 Rabbit mAb at 1:1000 dilution  
Lane1: The kidney tissue lysate of Human



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-MMP14 antibody. Counter stained with hematoxylin.



ICC staining MMP14 in BT-20 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton \*100/PBS.

### Note:

For research use only, not for use in diagnostic procedure.

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