

Basic Information

Product Name	Anti-MMP24 Antibody
Gene Name	MMP24
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS , 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human MMP24(208-225aa YHEIKSDRKEADIMIFFA), identical to the related mouse and rat sequences.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	62KD
Dilution Ratios	Western blot(WB):1:500-2000

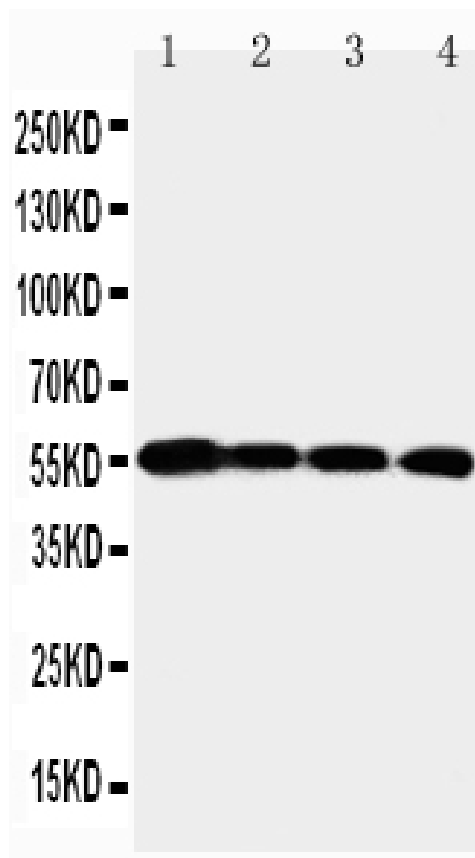
Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Matrix metalloproteinase-24, also known as MT5MMP or MMP25, is an enzyme that in humans is encoded by the MMP24 gene. 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. However, the protein encoded by this gene is a member of the membrane-type MMP(MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. This protein activates MMP2 by cleavage. The gene has previously been referred to as MMP25 but has been renamed MMP24. This gene may be a proteoglycanase involved in degradation of proteoglycans, such as dermatan sulfate and chondroitin sulfate proteoglycans.

Selected Validation Data



Lane 1: PANC Cell Lysate Lane 2: HELA Cell Lysate Lane 3: SMMC Cell Lysate
Lane 4: A549 Cell Lysate