

Datasheet for ABIN630147
anti-MMP 9 antibody[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	MMP 9 (MMP9)
Reactivity:	Human, Rat, Mouse, Dog, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMP 9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	MMP9 antibody was raised using a synthetic peptide corresponding to a region with amino acids VAEHGDGYFPDGDGLLAHAFPPGPGIQGDAHFDDELWSLGKGVVVPTR
Purification:	Purified

Target Details

Target:	MMP 9 (MMP9)
Alternative Name:	MMP9
Background:	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. The enzyme encoded by MMP9 degrades type IV and V collagens.

Target Details

Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.

Molecular Weight: 78 kDa (MW of target protein)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Immune Effector Process](#), [CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: WB: 1.25 µg/mL
Optimal conditions should be determined by the investigator.

Comment: MMP9 Blocking Peptide, (ABIN5614808), is also available for use as a blocking control in assays to test for specificity of this MMP9 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of MMP9 antibody in PBS

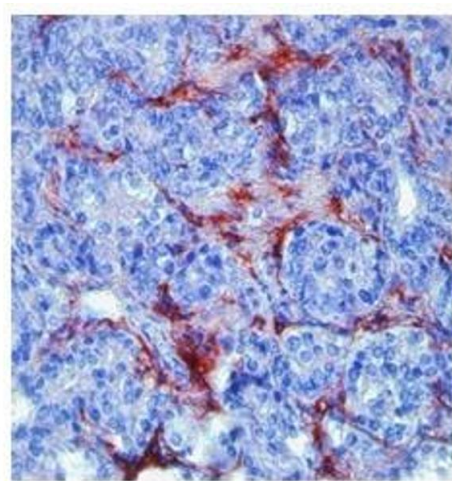
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.

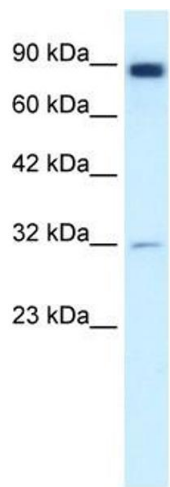
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Immunohistochemistry

Image 1. MMP9 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml. Magnification is at 400X



Western Blotting

Image 2. MMP9 antibody used at 1.25 ug/ml to detect target protein.