

Rabbit Anti-MMP9 Recombinant [MMP9/2025R]: RM0201, RM0201RTU7

Intended Use: For Research Use Only

Description: Matrix metalloproteinases (MMPs), a family of peptidase enzymes, plays a critical role in degradation of extracellular matrix components in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes. MMP-9, also designated as 92-kDa Type IV Collagenase or gelatinase B is a member of MMPs, which is produced as a 92- kDa pro-enzyme by neutrophils and macrophages as a normal constituent and released into the extracellular environment after activation in inflammatory tissues. MMP-9 is predominantly expressed in neutrophils, macrophages, mast cells and stromal cells. The expression levels of MMP-9 in tumors are elevated compared with the corresponding normal tissues in a variety of cancer types, including breast, colon, gastric and nasopharyngeal cancers.

Specifications

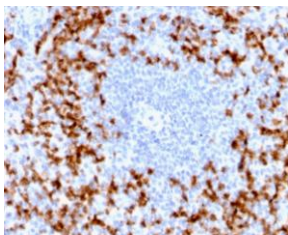
Clone: MMP9/2025R
 Source: Rabbit
 Reactivity: Human
 Isotype: IgG
 Localization: Cytoplasm
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC
 Package:

Description	Catalog No.	Size
MMP9 Recombinant Concentrated	RM0201	1 ml
MMP9 Recombinant Prediluted	RM0201RTU7	7 ml

IHC Procedure*

Positive Control Tissue: Spleen, breast cancer
 Concentrated Dilution: 50-200
 Pretreatment: Tris pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human spleen stained with anti-MMP9 using DAB

References:

1. Anti-RhoC siRNAs inhibit the proliferation and invasiveness of breast cancer cells via modulating the KAI1, MMP9, and CXCR4 expression. Xu XD, et al. Onco Targets Ther 10:1827-1834, 2017.
2. Protective Effect of Tang Wang One Decoction on the Retinal Vessels of Diabetic Rats. Kou X, et al. Evid Based Complement Alternat Med 2017:8635127, 2017.
3. Effects of baicalein on IL-1β-induced inflammation and apoptosis in rat articular chondrocytes. Li Y, et al. Oncotarget 8:90781-90795, 2017.