IHC*easy* MMP9 Ready-To-Use IHC Kit

Catalog Number: KHC0120

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Rabbit Polyclonal

Secondary antibody type:
Polymer-HRP-Goat anti-Rabbit

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.
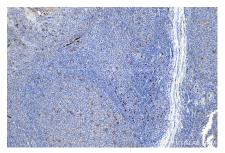
Background

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, tissue remodeling, and disease processes, such as arthritis or metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. Matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) (MMP9, synonyms: GELB, CLG4B) degrades collagens type IV and V. Studies in rhesus monkeys suggest that MMP9 is involved in IL-8-induced mobilization hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.
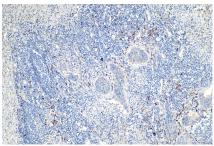
Synonyms

92 kDa gelatinase, 92 kDa type IV collagenase, CLG4B, Gelatinase B, GELB, Matrix metalloproteinase 9, MMP 9, MMP9, MMP9 (Middle)
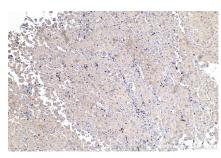
Selected Validation Data

Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using KHC0120 (MMP9 IHC Kit).

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0120 (MMP9 IHC Kit).

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using KHC0120 (MMP9 IHC Kit).