

# IHC*easy* MMP12 Ready-To-Use IHC Kit

Catalog Number: **KHC0785**

## 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

MMP12(Matrix metalloproteinase-12) is a proenzyme. MMP9 and MMP12 promote intimal thickening by independent cleavage of N-cadherin, which elevates vascular smooth muscle cell proliferation via beta-catenin signalling. Its overexpression in myeloid lineage cells plays a key role in modulating myelopoiesis, immune suppression, and lung tumorigenesis.

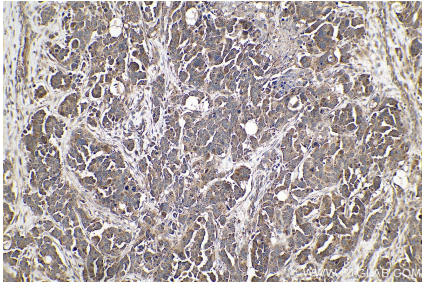
## Synonyms

HME, Macrophage elastase, Macrophage metalloelastase, Matrix metalloproteinase 12, ME, MME, MMP 12, MMP12

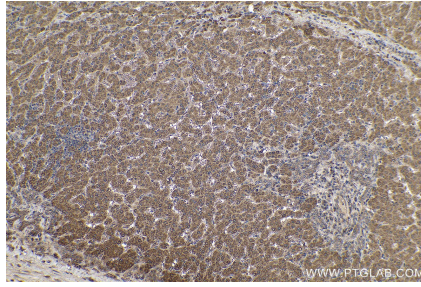
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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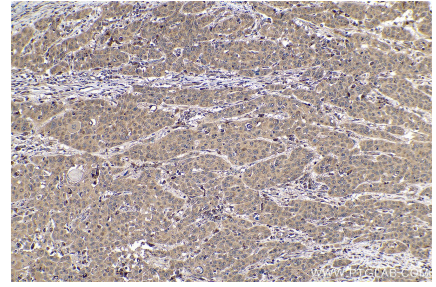
## Selected Validation Data



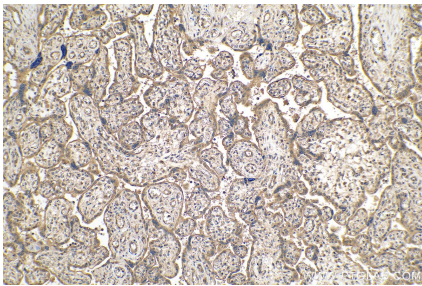
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0785 (MMP12 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using KHC0785 (MMP12 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using KHC0785 (MMP12 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC0785 (MMP12 IHC Kit).