

For Research Use Only

# MMP10 Polyclonal antibody

Catalog Number: 55340-1-AP



## Basic Information

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| <b>Catalog Number:</b><br>55340-1-AP   | <b>GenBank Accession Number:</b><br>NM_002425                    | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>150ul , Concentration: 227 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>4319                                    |  |
| <b>Source:</b><br>Rabbit   | <b>Full Name:</b><br>matrix metalloproteinase 10 (stromelysin 2) |  |
| <b>Isotype:</b><br>IgG   | <b>Calculated MW:</b><br>54 kDa                                  |  |
|  | <b>Observed MW:</b><br>52 kDa                                    |  |

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human, mouse

## Background Information

MMP10, also named as STMY2, Transin-2, MMP-10, SL-2 and Stromelysin-2, belongs to the peptidase M10A family. It can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. MMP10 activates procollagenase. Western blot against MMP-10 revealed bands at a molecular weight of about 56 and 42 kDa in serum samples, and the bands with molecular weights of about 42 kDa may be the active forms of MMP-10 (PMID:20215736). The expression profile of MMP-10 in several human tumors, coupled with broad substrate specificity and expression in several stages of the tumorigenic process suggests MMP-10 as a potential tumor marker and a predictor of clinical behavior, and supports MMP-10 inhibition as a valid therapeutic strategy (PMID:15720804). This antibody is specific to MMP10.

## Storage

**Storage:**  
Store at -20°C.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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 W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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## Selected Validation Data