**Product Name: MMP12 Rabbit Polyclonal Antibody**
**Catalog #: APRab01328**

## Summary

| | |
|---|---|
| **Production Name** | MMP12 Rabbit Polyclonal Antibody |
| **Description** | Primary antibody |
| **Host** | Rabbit |
| **Application** | WB |
| **Reactivity** | Human |

## Performance

| | |
|---|---|
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Polyclonal Antibody |
| **Form** | Liquid |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| **Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purification** | Affinity Chromatography |

## Immunogen

| | |
|---|---|
| **Gene Name** | MMP12 |
| **Alternative Names** | Macrophage metalloelastase; MME; 3.4.24.65; Macrophage elastase; ME; hME; Matrix metalloproteinase-12; MMP-12; MMP12; HME |
| **Gene ID** | 4321 |
| **SwissProt ID** | P39900 |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB: 1/500-1/1000 |
| **Molecular Weight** | Calculated MW: 54 kDa; Observed MW: 54,45,22 kDa |

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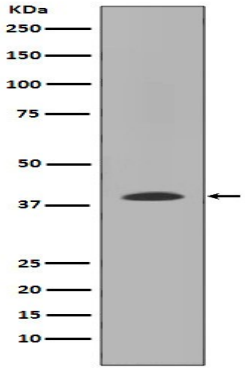
## Background

MMP-12 lacks a transmembrane domain and furin cleavage site. The zymogen for MMP-12 is about 54 kDa, and is quickly activated to the 45 kDa form, and this breaks down to cascade of active forms, ending with the common 22 kDa form.Stimulated macrophages produce MMP-12; it has also been found in osteosarcoma cells, synovial fibroblasts and lung fibroblasts.

## Research Area

Cardiovascular

## Image Data




Western blot analysis of MMP12 in WI38 lysates using MMP12 antibody.

## Note

For research use only.