BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-Macrophage metalloelastase MMP12 Antibody Picoband®

**Catalog Number:** PA2146

## About MMP12

Matrix metalloproteinase-12 (MMP12), also known as MME or ME, is an enzyme that in humans is encoded by the MMP12 gene. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.2. It is though that the protein encoded by this gene is cleaved at both ends to yield the active enzyme, but this processing has not been fully described. The enzyme degrades soluble and insoluble elastin. It may play a role in aneurysm formation and studies in mice suggest a role in the development of emphysema. This gene may involved in tissue injury and remodeling.

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## Overview

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| Product Name | Anti-Macrophage metalloelastase MMP12 Antibody Picoband® |
| Reactive Species | Human |
| Description | Boster Bio Anti-Macrophage metalloelastase MMP12 Antibody catalog # PA2146. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Application | WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.<br>*This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | P39900 |

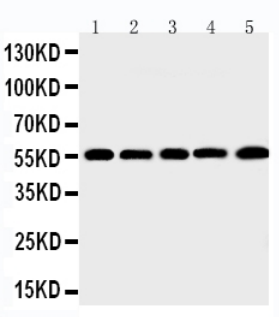
## Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence at the C-terminus of human MMP12. |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Lyophilized |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | Western blot, 0.1-0.5ug/ml, Human |

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# Anti-Macrophage metalloelastase MMP12 Antibody Picoband® (PA2146) Images




Anti-MMP12 antibody, PA2146, Western blottingLane 1: SMMC Cell LysateLane 2: HEPA Cell LysateLane 3: HELA Cell LysateLane 4: K562 Cell LysateLane 5: MCF-7 Cell Lysate

Anti-Macrophage metalloelastase MMP12 Antibody

For Research Use Only. Not for use in diagnostic procedures.