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# Anti-Myeloperoxidase 89k Antibody

Rabbit polyclonal antibody to Myeloperoxidase 89k
Catalog # AP61038

## Product Information

| | |
|---|---|
| **Application** | WB |
| **Primary Accession** | P05164 |
| **Other Accession** | P11247 |
| **Reactivity** | Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 83869 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 4353 |
| **Other Names** | Myeloperoxidase; MPO |
| **Target/Specificity** | Recognizes endogenous levels of Myeloperoxidase 89k protein. |
| **Dilution** | WB~~WB (1/500 - 1/1000) |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

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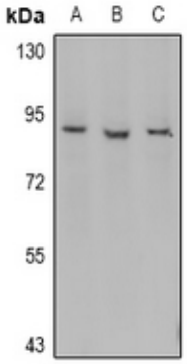
|---|---|
| **Name** | MPO ( HGNC:7218) |
| **Function** | Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity (PubMed:9922160). Mediates the proteolytic cleavage of alpha-1-microglobulin to form t-alpha-1-microglobulin, which potently inhibits oxidation of low-density lipoprotein particles and limits vascular damage (PubMed:25698971). |
| **Cellular Location** | Lysosome. |

## Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Myeloperoxidase 89k. The exact sequence is proprietary.

## Images




Western blot analysis of Myeloperoxidase 89k expression in Jurkat (A), K562 (B), SP20 (C) whole cell lysates.