

Myeloperoxidase Rabbit pAb

CatalogNo: YT5351

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 85kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

IHC: 100-300

WB 1:500-1:2000

ELISA 1:20000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from the N-terminal region of human MPO. AA range:41-90

Specificity MPO Polyclonal Antibody detects endogenous levels of MPO protein.

Target Information

Gene name MPO

Protein Name Myeloperoxidase

Organism	Gene ID	UniProt ID
Human	4353 ;	P05164 ;
Mouse	17523 ;	P11247 ;

Cellular Localization Lysosome.

Tissue specificity Leukemia ,Leukocyte ,Liver ,Plasma ,Saliva ,

Function Catalytic activity:Cl (-) + H (2) O (2) = HOCl + 2 H (2) O. ,Catalytic activity:Donor + H (2) O (2) = oxidized donor + 2 H (2) O. ,cofactor:Binds 1 calcium ion per heterodimer. ,cofactor:Binds 1 heme B (iron-protoporphyrin IX) group covalently per heterodimer. ,Disease:Defects in MPO are the cause of myeloperoxidase deficiency (MPD) [MIM:254600]. MPD is an autosomal recessive defect that results in disseminated candidiasis. ,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. ,online information:MPO mutation db ,online information:Myeloperoxidase entry ,similarity:Belongs to the peroxidase family. XPO subfamily. ,subunit:Tetramer of two light chains and two heavy chains. ,

| Validation Data

| Contact information

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Myeloperoxidase Rabbit pAb

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