

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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