

Myeloperoxidase(MPO) (ABT-MPO) IHC kit

CatalogNo: IHCM6663

Key Features

Host Species

- Mouse

Reactivity

- Human,

Applications

- IHC

Isotype

- IgG2a,Kappa

Recommended Dilution Ratios

Storage

Storage* 2°C to 8°C/1 year

Basic Information

Clonality Monoclonal

Clone Number ABT-MPO

Immunogen Information

Immunogen Synthesized peptide derived from human Myeloperoxidase(MPO) AA range: 350-450

Specificity The antibody can specifically recognize human Myeloperoxidase protein.

Target Information

Gene name MPO

Protein Name Myeloperoxidase(MPO)

Organism

Human

Gene ID

[4353](#);

UniProt ID

[P05164](#);

Cellular Localization

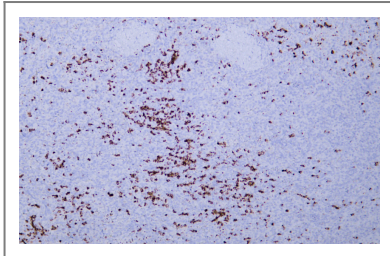
Cytoplasmic

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



Human spleen tissue was stained with Anti-Myeloperoxidase (ABT-MPO) Antibody

Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 408-747-0189 (USA) 400-8787-807(China)
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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