Rabbit Anti-MPO Polyclonal Antibody

CPB-1907RH Rabbit(MPO)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-MPO Polyclonal Antibody
Antigen Description	Myeloperoxidase is a major neutrophil protein and is also present in monocytes. In neutrophils, it is stored in azurophilic granules and released during phagocytosis. It is a heme enzyme that uses the superoxide and hydrogen peroxide generated by the neutrophil oxidative burst to produce hypochlorous acid and other reactive oxidants.The produced hypochlorous acid reacts with and destroys bacteria. In many inflammatory pathologies, such as cystic fibrosis and rheumatoid arthritis, neutrophils are also causing tissue damage. MPO is thought to be the most promising cardiac marker at the moment. In addition to that MPO is a good inflammatory biomarker for autoimmune, inflammatory diseases and cancer.
specificity	Human
Target	MPO
Immunogen	Synthetic peptide
Host	Rabbit
Isotype	IgG
Species	Human
conjugation	N/A
Applications	IP,WB

PACKAGING

Storage	Store for 1 year at -20°C from date of shipment

ANTIGEN GENE INFORMATION

Gene Name	MPO myeloperoxidase [Homo sapiens]
Official Symbol	MPO
Synonyms	MPO; myeloperoxidase;
GeneID	4353
mRNA Refseq	NM_000250
Protein Refseq	NP_000241
MIM	606989
UniProt ID	P05164
Chromosome Location	17q21.3-q23
Pathway	C-MYB transcription factor network, organism-specific biosystem; Folate Metabolism, organism-specific biosystem; IL23-mediated signaling events, organism-specific biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved biosystem; Selenium Pathway, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem;

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Function	chromatin binding; heme binding; heparin binding; metal ion binding; oxidoreductase activity; peroxidase activity;

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