

Cleaved MPO 89k (Ala49) Rabbit pAb

CatalogNo: YC0100

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse,

Applications

- WB,ELISA

MW

- 89kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:10000

Not yet tested in other applications.

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.

Basic Information

Clonality Polyclonal

Immunogen Information

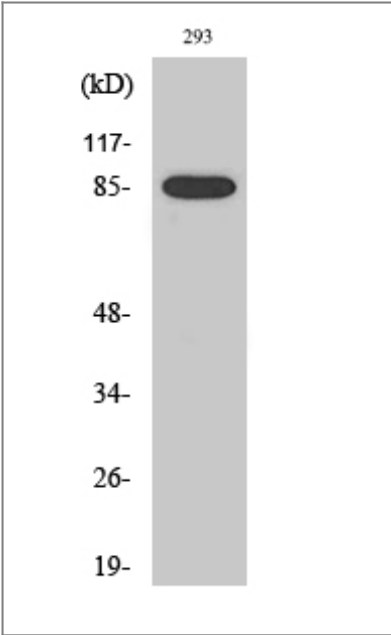
Immunogen Synthesized peptide derived from Cleaved-MPO 89k (A49) . at AA range: 40-120

Specificity Cleaved-MPO 89k (A49) Polyclonal Antibody detects endogenous levels of fragment of activated MPO 89k protein resulting from cleavage adjacent to A49.

Target Information

Gene name	MPO									
Protein Name	Myeloperoxidase									
	<table><tr><th>Organism</th><th>Gene ID</th><th>UniProt ID</th></tr><tr><td>Human</td><td>4353;</td><td>P05164;</td></tr><tr><td>Mouse</td><td></td><td>P11247;</td></tr></table>	Organism	Gene ID	UniProt ID	Human	4353 ;	P05164 ;	Mouse		P11247 ;
Organism	Gene ID	UniProt ID								
Human	4353 ;	P05164 ;								
Mouse		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



Western Blot analysis of various cells using Cleaved-MPO 89k (A49) Polyclonal Antibody

Contact information

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Please scan the QR code
to access additional
product information:
**Cleaved MPO 89k
(Ala49) Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)