

## 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

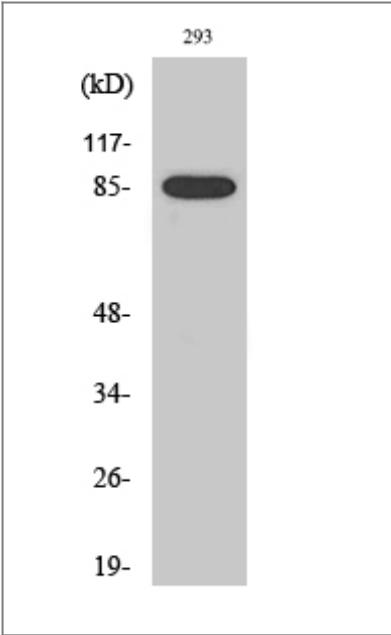
#### Specificity

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><a href="#">4353</a>;</td><td><a href="#">P05164</a>;</td></tr><tr><td>Mouse</td><td></td><td><a href="#">P11247</a>;</td></tr></table>	Organism	Gene ID	UniProt ID	Human	<a href="#">4353</a> ;	<a href="#">P05164</a> ;	Mouse		<a href="#">P11247</a> ;
Organism	Gene ID	UniProt ID								
Human	<a href="#">4353</a> ;	<a href="#">P05164</a> ;								
Mouse		<a href="#">P11247</a> ;								
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**

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

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