

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-MPO



Numéro de catalogue: 22225-1-AP

81 Publications

## Informations de base

Numéro de catalogue:

22225-1-AP

Taille:

150ul, Concentration: 800 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG17564

Numéro d'acquisition GenBank:

BC130476

Identification du gène (NCBI):

4353

Nom complet:

myeloperoxydase

MW calculé

745 aa, 84 kDa

MW observés:

59 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:6000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:50-1:500

## Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

ELISA, FC, IF, IHC, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

bovin, Humain, rat, Hamster

Contrôles positifs:

WB : cellules HL-60, cellules U-937

IP : cellules HeLa,

IHC : tissu de cancer du côlon humain, tissu de côlon de souris, tissu hépatique humain, tissu splénique humain

IF : tissu d'amygdalite humain,

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

## Informations générales

The MPO gene encodes myeloperoxidase, a lysosomal hemoprotein located in the azurophilic granules of polymorphonuclear (PMN) leukocytes and monocytes. In response to stimulation, MPO is activated into a transient intermediate with potent antimicrobial oxidizing abilities (PMID:17650507). The mRNA is translated into a single protein of 90 kDa, which displays enzymatic activity and undergoes proteolytic maturation into a heavy chain of 59 kDa and a light chain of 13.5 kDa; these subunits then dimerize into the mature tetramer and the mature MPO is a heterotetramer composed of two identical heavy chains and two identical light chains (PMID:12773517). The 24-kDa material had a map identical to that of 13.5 kDa subunit and represents a dimer of the 13.5 kDa subunit (PMID:3008892). Defects in MPO are the cause of myeloperoxidase deficiency (MPOD). It has 3 isoforms produced by alternative splicing. This antibody is specific to MPO.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Dayun Feng	36179025	Sci Adv	IF
Tingting Qin	36225585	Front Pharmacol	IHC, WB
Chaoqun Hou	31541854	Biomed Pharmacother	IHC

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

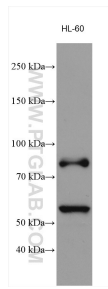
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

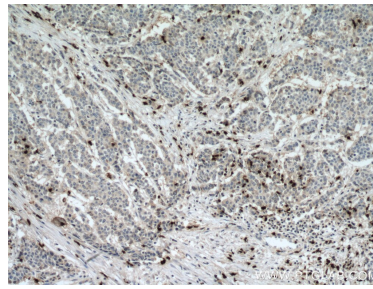
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

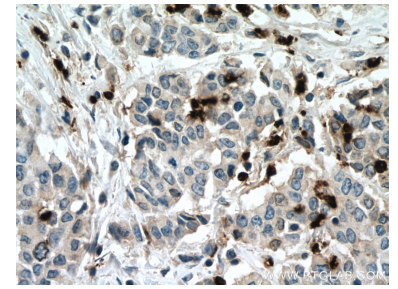
## Données de validation sélectionnées



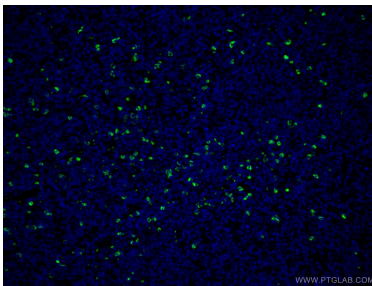
HL-60 cells were subjected to SDS PAGE followed by western blot with 22225-1-AP (MPO antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



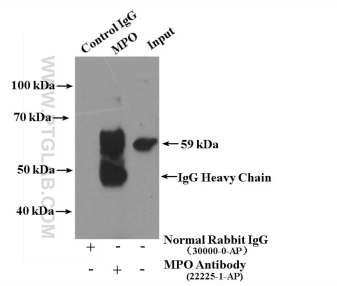
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 22225-1-AP (MPO antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 22225-1-AP (MPO antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 22225-1-AP (MPO antibody) at dilution of 1:50 and Coralite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-MPO (IP:22225-1-AP, 4ug; Detection:22225-1-AP 1:600) with HeLa cells lysate 1600ug.