

À des fins de recherche uniquement

# Anticorps Recombinant de lapin anti-MPO



Numéro de catalogue: 81610-1-RR

Phare

## Informations de base

Numéro de catalogue: 81610-1-RR	Numéro d'acquisition GenBank: BC130476	Méthode de purification: Purification par protéine A
Taille: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 4353	CloneNo.: 3J17
Hôte: Lapin	Nom complet: myeloperoxidase	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:800-1:3200
Isotype: IgG	MW calculé: 745 aa, 84 kDa	
Immunogen Catalog Number: AG17564	MW observés: 59 kDa, 90 kDa	

## Applications

### Applications testées:

IHC, WB, ELISA

### Spécificité de l'espèce:

Humain

### Contrôles positifs:

WB : cellules HL-60, salive humain, salive humaine

IHC : tissu hépatique 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.

## 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.

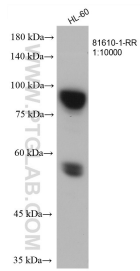
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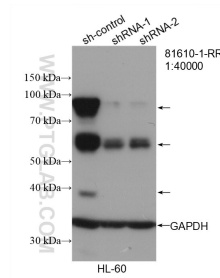
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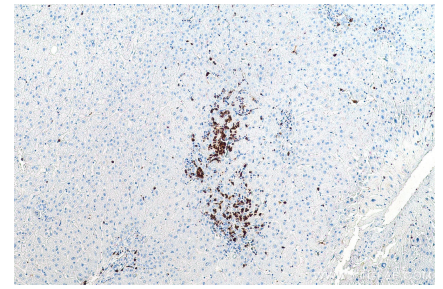
## Données de validation sélectionnées



HL-60 cells were subjected to SDS PAGE followed by western blot with 81610-1-RR (MPO antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of MPO antibody (81610-1-RR; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MPO transfected HL-60 cells.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 81610-1-RR (MPO antibody) at dilution of 1:1600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).