

Allgemeine Informationen

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| Katalog-Nr.: 22225-1-AP | GenBank-Zugangsnummer: BC130476 | Reinigungsmethode: Antigen-Affinitätsreinigung |
| Größe: 150ul, Konzentration: 800 µg/ml von Nanodrop; | GeneID (NCBI): 4353 | Empfohlene Verdünnungen: WB 1:1000-1:6000 IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB |
| Wirt: Kaninchen | Vollständiger Name: myeloperoxidase | IHC 1:50-1:500 IF 1:50-1:500 |
| Isotyp: IgG | Berechnete Masse: 745 aa, 84 kDa | |
| Immunogen Katalognummer: AG17564 | Beobachtete Masse: 59 kDa | |

Anwendungen

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| Geprüfte Anwendungen: IF, IHC, IP, WB, ELISA | Positivkontrollen: WB : HL-60-Zellen, U-937-Zellen |
| In Publikationen genannte Anwendungen: ELISA, FC, IF, IHC, WB | IP : HeLa-Zellen, |
| Getestete Reaktivität: Human, Maus | IHC : humanes Kolonkarzinomgewebe, humanes Lebergewebe, humanes Milzgewebe, Maus-Kolongewebe |
| Zitierte Arten: Hamster, Human, Ratte, Rind | IF : humanes Tonsillitisgewebe, |

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|--------------|-----------|---------------------|-----------|
| Dayun Feng | 36179025 | Sci Adv | IF |
| Tingting Qin | 36225585 | Front Pharmacol | IHC,WB |
| Chaoqun Hou | 31541854 | Biomed Pharmacother | IHC |

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

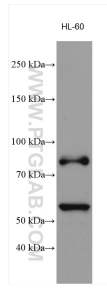
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

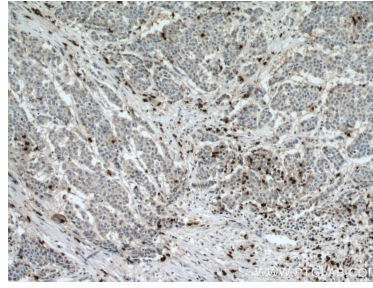
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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

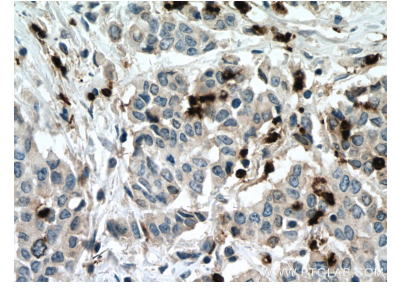
Ausgewählte Validierungsdaten



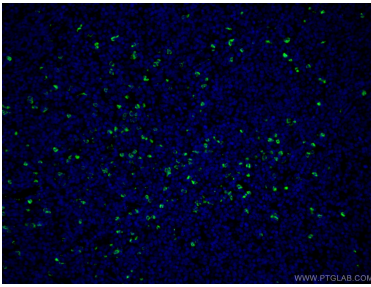
HL-60 cells were subjected to SDS PAGE followed by western blot with 22225-1-AP (MPO antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



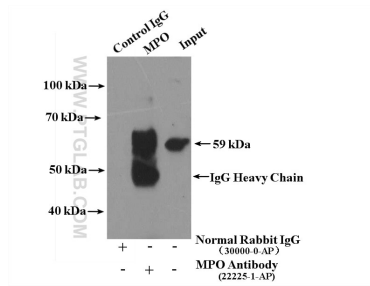
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 22225-1-AP (MPO antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.