For Research Use Only

MPO Recombinant antibody

Catalog Number:81610-1-RR Featured Product 1 Publications

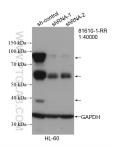


Basic Information	Catalog Number: 81610-1-RR	GenBank Accession Nun BC 130476	nber:	Purification Method: Protein A purification	
	Source: Rabbit Isotype: IgG Immunogen Catalog Number:	GeneID (NCBI): 4353 UNIPROT ID: P05164		CloneNo.: 3J17 Recommended Dilutions: WB 1:5000-1:50000	
					Full Name: myeloperoxidase Calculated MW: 745 aa, 84 kDa
		Observed MW: 59 kDa, 90 kDa			
		Applications	Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA		
Cited Applications:				s, numan sativa ver tissue, human colon cancer tissue	
WB, IF Species Specificity: human	IF/ICC : HL-60 cells,				
Cited Species: human					
Note-IHC: suggested antigen ı TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0	vely, antigen				
Background Information	intermediate with potent antimicrob protein of 90 kDa, which displays en- kDa and a light chain of 13.5 kDa; the heterotetramer composed of two ide with molecular masses of 43-47 kDa	s and monocytes. In respo ial oxidizing abilities(PM zymatic activity and unde ese subunits then dimerize ntical heavy chains and to were formed by autocata al had a map identical to fects in MPO are the caus	onse to stimula ID:17650507). rgoes proteoly e into the matu wo identical li lysis during w that of 13.5 kD	ation, MPO is activated into a transier The mRNA is translated into a single (tic maturation into a heavy chain of ure tetramer and the mature MPO is a ght chains(PMID:12773517). Fragmen arming in sample buffer la subunit and represents a dimer of t	
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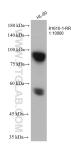
chnical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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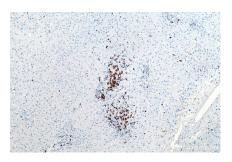
Selected Validation Data



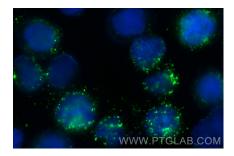
WB result of MPO antibody (81610-1-RR; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MPO transfected HL-60 cells.



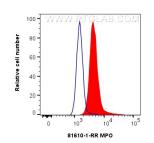
HL-60 cells were subjected to SDS PAGE followed by western blot with 81610-1-RR (MPO antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



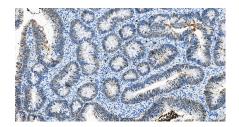
Immunohistochemical analysis of paraffinembedded human liver tissue slide using 81610-1-RR (MPO antibody) at dilution of 1:1600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



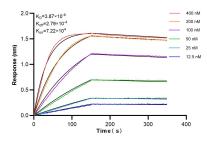
Immunofluorescent analysis of (4% PFA) fixed HL-60 cells using MPO antibody (81610-1-RR, Clone: 3J17) at dilution of 1:1600 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10^6 HL-60 cells were intracellularly stained with 0.25 ug MPO Recombinant antibody (81610-1-RR, Clone:3J17) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (5A00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 81610-1-RR (MPO antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 81610-1-RR against Human MPO were performed. The affinity constant is 3.87 nM.