For research purposes only, not for human use

Product Data Sheet

Anti-Myeloperoxidase 89k Antibody

Catalog #	Source	Reactivity	Applications
CPA5685	Rabbit	H, M	WB, IF/IC

Description	Rabbit polyclonal antibody to Myeloperoxidase 89k
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Myeloperoxidase 89k. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of Myeloperoxidase 89k protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IF/IC (1/50 - 1/200)
Gene Symbol	MPO
Alternative Names	Myeloperoxidase; MPO
Entrez Gene	4353 (Human); 17523 (Mouse)
SwissProt	P05164 (Human); P11247 (Mouse)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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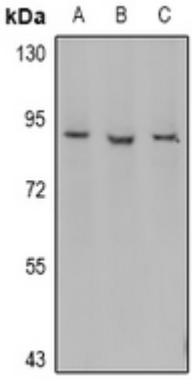
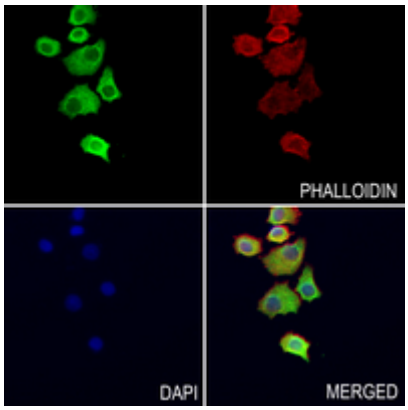


Western blot analysis of Myeloperoxidase 89k expression in Jurkat (A), K562 (B), SP20 (C) whole cell lysates. (Predicted band size: 83 kD; Observed band size: 89 kD)



Immunofluorescent analysis of Myeloperoxidase 89k staining in SGC7901 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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