

Product datasheet

Anti-Myeloperoxidase antibody - Carboxyterminal end ab65871

★★★★☆ 3 Abreviews 3 References 3 Images

Overview

Product name	Anti-Myeloperoxidase antibody - Carboxyterminal end
Description	Rabbit polyclonal to Myeloperoxidase - Carboxyterminal end
Tested applications	Suitable for: ICC/IF, IHC-Fr, WB, IHC-P, ICC
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	A synthetic peptide corresponding to a sequence mapping at the C-terminus of human Myeloperoxidase, identical to the related mouse and rat sequence.
Positive control	human ovary tissue

Properties

Form	Lyophilised:0.2ml of distilled water will yield a concentration of 500µg/ml.
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide, 0.01% Thimerosal (merthiolate) Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab65871** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

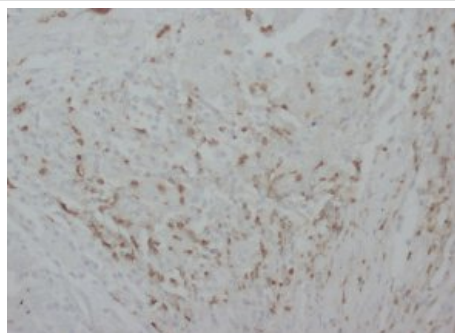
Application	Abreviews	Notes
ICC/IF	★★★★★	Use at an assay dependent concentration.
IHC-Fr	★★★★☆	Use at an assay dependent concentration.

Application	Abreviews	Notes
WB		Use a concentration of 2 µg/ml. Predicted molecular weight: 84 kDa.
IHC-P		Use a concentration of 0.5 - 1 µg/ml.
ICC		Use at an assay dependent concentration.

Target

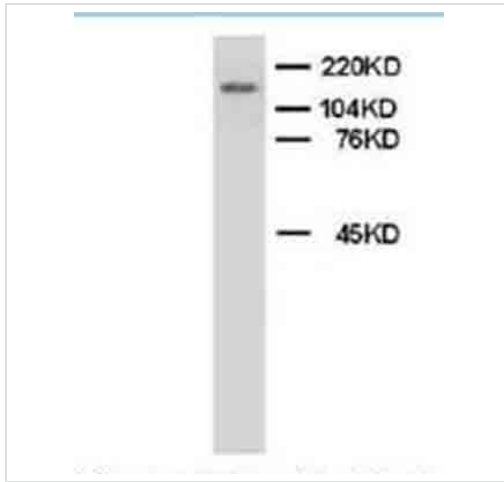
Function	Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity.
Involvement in disease	Defects in MPO are the cause of myeloperoxidase deficiency (MPD) [MIM:254600]. MPD is an autosomal recessive defect that results in disseminated candidiasis.
Sequence similarities	Belongs to the peroxidase family. XPO subfamily.
Cellular localization	Lysosome.

Images



This image shows human ovary tissue stained with ab65871 at 1µg/ml.

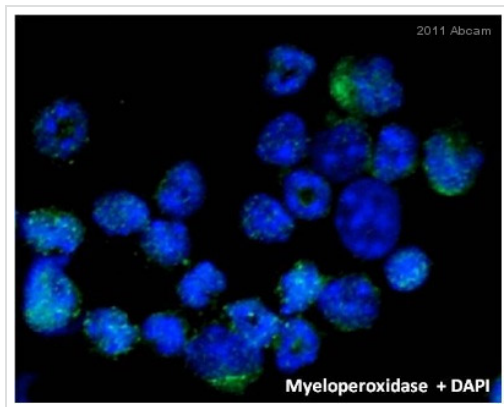
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Myeloperoxidase antibody - Carboxyterminal end (ab65871)



Western blot - Myeloperoxidase antibody -
Carboxyterminal end (ab65871)

Anti-Myeloperoxidase antibody -
Carboxyterminal end (ab65871) at 2 µg/ml +
rat brain tissue lysate

Predicted band size : 84 kDa
Observed band size : 170 kDa



Immunocytochemistry/ Immunofluorescence -
Myeloperoxidase antibody - Carboxyterminal end
(ab65871)

This image is courtesy of an anonymous Abreview

ab65871 staining Myeloperoxidase in Mouse
bone marrow WBCs by ICC/IF
(Immunocytochemistry/immunofluorescence).
Cells were fixed with formaldehyde,
permeabilized with 0.1% Triton X-100 and
blocked with 5% serum for 2 hours at 25°C.
Samples were incubated with primary
antibody (1/500 in PBS) for 9 hours at 4°C. An
Alexa Fluor[®]488-conjugated Goat anti-rabbit
IgG polyclonal (1/500) was used as the
secondary antibody.

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