

Product datasheet for **AP23272PU-N**

Myeloperoxidase (MPO) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: Use at 0.1-0.5 µg/ml with the appropriate system to detect MPO in cells and tissues. Immunohistochemistry on Paraffin Sections: Use at 0.5-1 µg/ml to detect MPO in formalin fixed and paraffin embedded tissues. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Immunocytochemistry.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a sequence mapping at the C-terminal of Human MPO
Specificity:	This antibody detects Myeloperoxidase at C-term. No cross reactivity with other proteins.
Formulation:	5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Sodium Azide State: Aff - Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	0.2 ml of distilled water will yield a concentration of 0.5 mg/ml.
Concentration:	0.5 mg/ml (after reconstitution)
Purification:	Immunogen Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	myeloperoxidase



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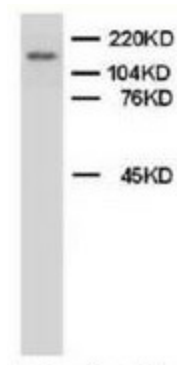
Database Link: [Entrez Gene 17523 Mouse](#)[Entrez Gene 303413 Rat](#)[Entrez Gene 4353 Human](#)
[P05164](#)

Background: Myeloperoxidase (MPO) is a mammalian phagocyte hemoprotein thought to primarily mediate host defense reactions. It is abundantly expressed in neutrophils and secreted during their activation. Myeloperoxidase is part of the host defense system of human polymorphonuclear leukocytes, responsible for microbicidal activity against a wide range of organisms. It is located in the nucleus as well as in the cytoplasm. Intranuclear MPO may help to protect DNA against damage resulting from oxygen radicals produced during myeloid cell maturation and function.

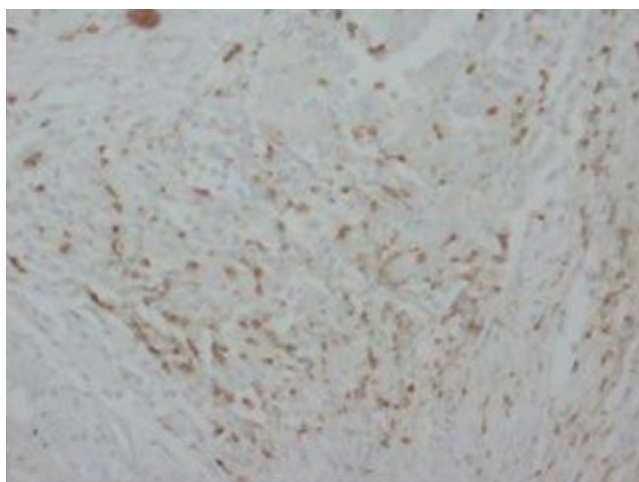
Synonyms: MPO

Protein Families: Druggable Genome

Product images:



Western blot analysis of rat brain tissue lysis using Myeloperoxidase antibody



Immunohistochemical analysis of paraffin embedded Human tissue sections (ovary) using Myeloperoxidase antibody