

ARG53344 anti-MPO / Myeloperoxidase antibody [SP72]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody [SP72] recognizes MPO / Myeloperoxidase
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	SP72
Isotype	IgG
Target Name	MPO / Myeloperoxidase
Species	Human
Immunogen	Synthetic peptide corresponding to C-terminus of human myeloperoxidase protein.
Conjugation	Un-conjugated
Alternate Names	MPO; Myeloperoxidase; EC 1.11.2.2

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. Incubation Time: 30 min at RT. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Tonsil	

Properties

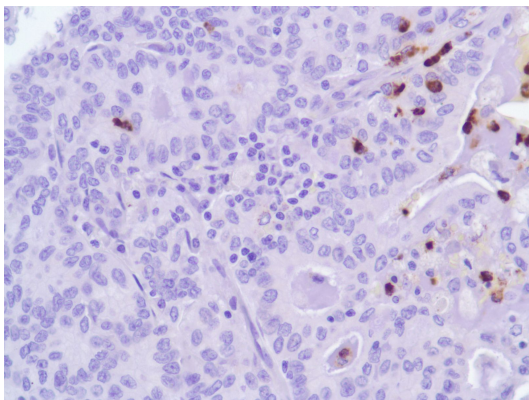
Form	Liquid
Purification	Purified by protein A/G
Buffer	PBS (pH 7.6), 1% BSA and < 0.1% Sodium azide
Preservative	< 0.1% Sodium azide
Stabilizer	1% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

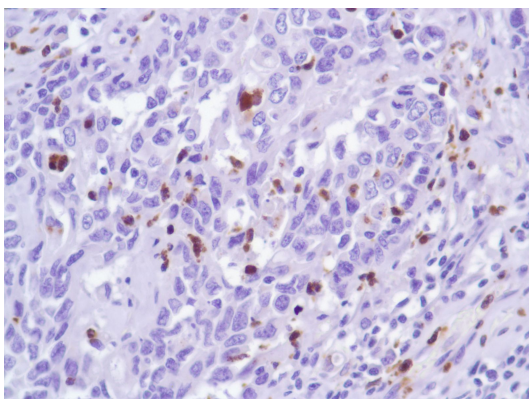
Database links	GeneID: 4353 Human Swiss-port # P05164 Human
Background	Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils. [provided by RefSeq, Nov 2014]
Function	Myeloperoxidase (MPO): 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. [UniProt]
Highlight	Related products: MPO antibodies ; MPO ELISA Kits ; MPO Duos / Panels ; Anti-Rabbit IgG secondary antibodies ; Related news: Exploring Antiviral Immune Response
Research Area	Inflammatory Cell Marker antibody; Neutrophil Marker antibody
Calculated Mw	84 kDa
Cellular Localization	Cytoplasm

Images



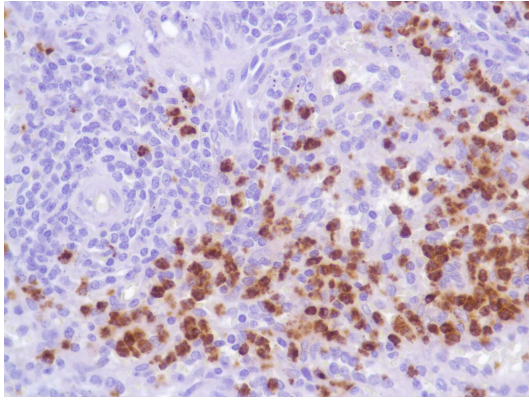
ARG53344 anti-MPO / Myeloperoxidase antibody [SP72] IHC-P image

Immunohistochemistry: Human Lung Adenocarcinoma stained with ARG53344 anti-MPO / Myeloperoxidase antibody [SP72].



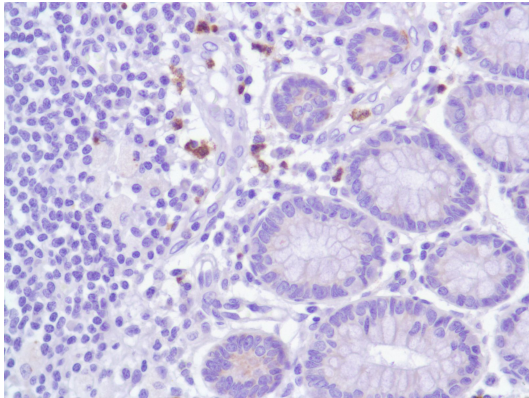
ARG53344 anti-MPO / Myeloperoxidase antibody [SP72] IHC-P image

Immunohistochemistry: Human Stomach Adenocarcinoma stained with ARG53344 anti-MPO / Myeloperoxidase antibody [SP72].



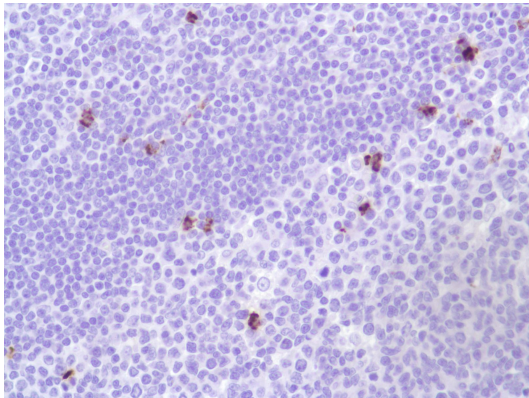
ARG53344 anti-MPO / Myeloperoxidase antibody [SP72] IHC-P image

Immunohistochemistry: Human Spleen stained with ARG53344 anti-MPO / Myeloperoxidase antibody [SP72].



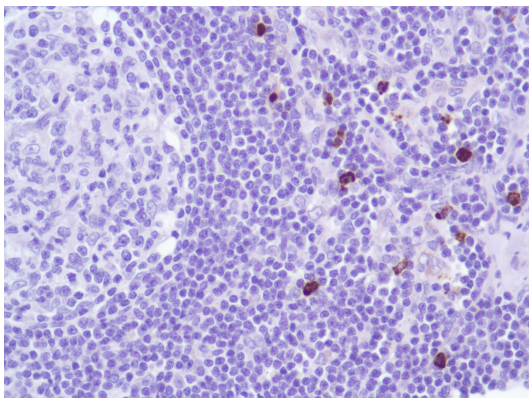
ARG53344 anti-MPO / Myeloperoxidase antibody [SP72] IHC-P image

Immunohistochemistry: Human Colon stained with ARG53344 anti-MPO / Myeloperoxidase antibody [SP72].



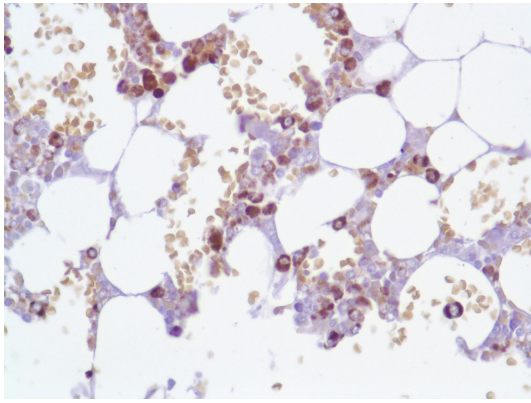
ARG53344 anti-MPO / Myeloperoxidase antibody [SP72] IHC-P image

Immunohistochemistry: Human Tonsil stained with ARG53344 anti-MPO / Myeloperoxidase antibody [SP72].



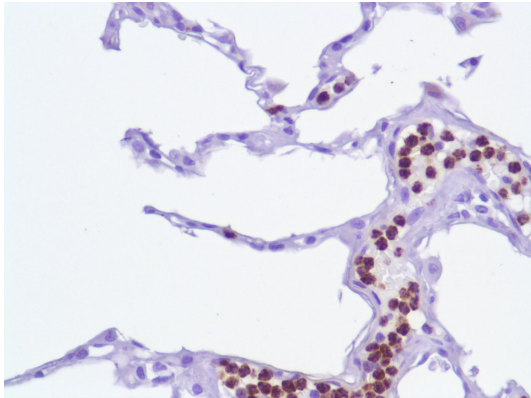
ARG53344 anti-MPO / Myeloperoxidase antibody [SP72] IHC-P image

Immunohistochemistry: Human Lymph Node stained with ARG53344 anti-MPO / Myeloperoxidase antibody [SP72].



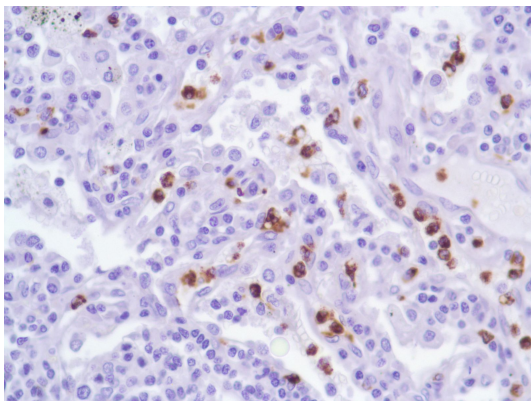
ARG53344 anti-MPO / Myeloperoxidase antibody [SP72] IHC-P image

Immunohistochemistry: Human Bone Marrow stained with ARG53344 anti-MPO / Myeloperoxidase antibody [SP72].



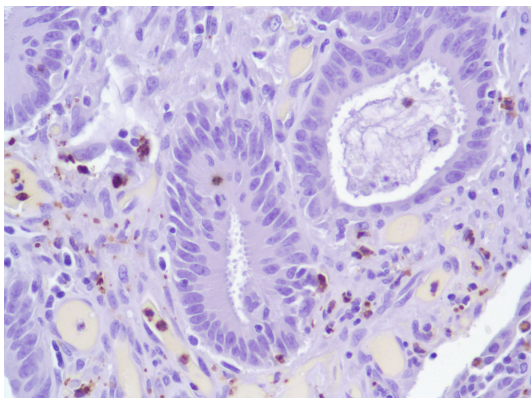
ARG53344 anti-MPO / Myeloperoxidase antibody [SP72] IHC-P image

Immunohistochemistry: Human Lung stained with ARG53344 anti-MPO / Myeloperoxidase antibody [SP72].



ARG53344 anti-MPO / Myeloperoxidase antibody [SP72] IHC-P image

Immunohistochemistry: Human Lung Squamous Cell Carcinoma stained with ARG53344 anti-MPO / Myeloperoxidase antibody [SP72].



ARG53344 anti-MPO / Myeloperoxidase antibody [SP72] IHC-P image

Immunohistochemistry: Human Colon Adenocarcinoma stained with ARG53344 anti-MPO / Myeloperoxidase antibody [SP72].
