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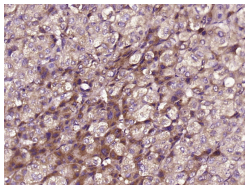
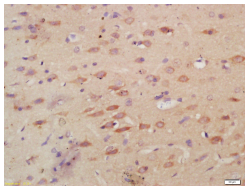
MPO Rabbit pAb

Catalog Number:	bs-4943R
Target Protein:	MPO
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500)
Reactivity:	Human, Mouse (predicted:Rat, Rabbit, Dog, GuineaPig, Horse)
Predicted MW:	84 kDa
Entrez Gene:	4353
Swiss Prot:	P05164
Source:	KLH conjugated synthetic peptide derived from human Myeloperoxidase heavy chain: 678-745/745.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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]

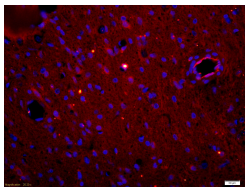
VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MPO) Polyclonal Antibody, Unconjugated (bs-4943R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-MPO Polyclonal Antibody, Unconjugated(bs-4943R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse brain tissue;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-MPO Polyclonal Antibody, Unconjugated(bs-4943R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei

PRODUCT SPECIFIC PUBLICATIONS

[IF=11.53] Ye, Buqing. et al. Induction of functional neutrophils from mouse fibroblasts by thymidine through enhancement of Tet3 activity. Cell Mol Immunol. 2022 Mar;:1-15 IF ; E.Coli . 35301470

[IF=5.6] Yaxi Zhou. et al. Silkworm pupa protein peptide improved DSS-induced colitis in C57BL/6 mice through the MAPK/NF-κB signaling pathway. J FUNCT FOODS. 2023 Nov;110:105852 IHC ; Mouse . 10.1016/j.jff.2023.105852

[IF=5.595] Chen B et al. A self-organized actomyosin drives multiple intercellular junction disruption and directly promotes neutrophil recruitment in lipopolysaccharide-induced acute lung injury.FASEB J. 2018 Jun 7:fj201701506RR. ICC ; Human . 29879372

[IF=4.755] Bae Ju-Eun. et al. Effects of erythropoietin on osteoblast in the tooth extraction socket in mice periodontitis model. FRONT PHYSIOL. 2022 Oct;0:2117 IHC ; Mouse . 36277197

[IF=4.556] Tae-Young Kim. et al. Facilitation of Bone Healing Processes Based on the Developmental Function of Meox2 in Tooth Loss Lesion. Int J Mol Sci. 2020 Jan;21(22):8701 IHC ; Mouse . 33218046