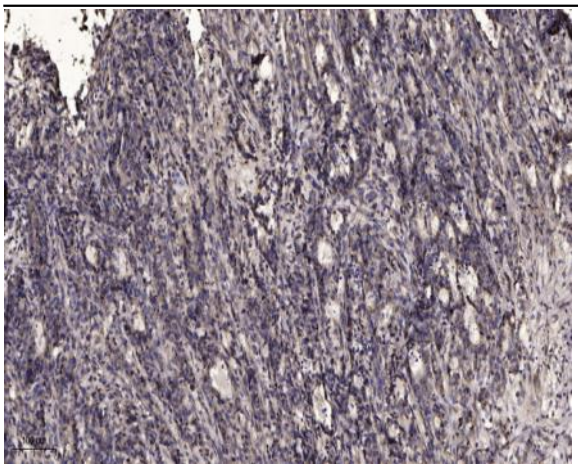
Best Tools for immunology Research

PERM (84k, Cleaved-Ser155) rabbit pAb

Catalog No :	YC0110
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA;IHC
Target :	PERM
Fields :	>>Drug metabolism - other enzymes;>>Phagosome;>>Neutrophil extracellular trap formation;>>Transcriptional misregulation in cancer;>>Acute myeloid leukemia
Gene Name :	MPO
Protein Name :	PERM (84k, Cleaved-Ser155)
Human Gene Id :	4353
Human Swiss Prot No :	P05164
Mouse Gene Id :	17523
Mouse Swiss Prot No :	P11247
Immunogen :	Synthesized peptide derived from human PERM (84k, Cleaved-Ser155)
Specificity :	This antibody detects endogenous levels of Human PERM (84k, Cleaved-Ser155, protein was cleaved amino acid sequence between 154-155)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	65 84kD
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 :	catalytic activity:Cl(-) + H(2)O(2) = HOCl + 2 H(2)O.,catalytic activity:Donor + H(2)O(2) = oxidized donor + 2 H(2)O.,cofactor:Binds 1 calcium ion per heterodimer.,cofactor:Binds 1 heme B (iron-protoporphyrin IX) group covalently per heterodimer.,disease:Defects in MPO are the cause of myeloperoxidase deficiency (MPD) [MIM:254600]. MPD is an autosomal recessive defect that results in disseminated candidiasis.,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.,online information:MPO mutation db,online information:Myeloperoxidase entry,similarity:Belongs to the peroxidase family. XPO sub
Subcellular Location :	Lysosome.
Sort :	11833
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).