

# MASP1 (light chain, Cleaved-Ile449) rabbit pAb

Cat No.:ES19984

For research use only

## Overview

Product Name	MASP1 (light chain, Cleaved-Ile449) rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human MASP1 (light chain, Cleaved-Ile449)
Specificity	This antibody detects endogenous levels of Human MASP1 (light chain, Cleaved-Ile449, protein was cleaved amino acid sequence between 448-449 )
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃ . Avoid repeated freeze-thaw cycles.
Protein Name	MASP1 (light chain, Cleaved-Ile449)
Gene Name	MASP1 CRARF CRARF1 PRSS5
Cellular localization	Secreted .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	20 77kD
Human Gene ID	5648
Human Swiss-Prot Number	P48740
Alternative Names	Mannan-binding lectin serine protease 1 (EC 3.4.21.-;Complement factor MASP-3;Complement-activating component of Ra-reactive factor;Mannose-binding lectin-associated serine protease 1;MASP-1;Mannose-binding protein-associated serine protease;Ra-reactive f enzyme regulation:Inhibited by SERPING1 and

## Background



+86-27-59760950

ELKbio@ELKbiotech.com

www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C



A2M.,function:Functions in the lectin pathway of complement, which performs a key role in innate immunity by recognizing pathogens through patterns of sugar moieties and neutralizing them. The lectin pathway is triggered upon binding of mannan-binding lectin (MBL) and ficolins to sugar moieties which leads to activation of the associated proteases MASP1 and MASP2. Functions as an endopeptidase and may activate MASP2 or C2 or directly activate C3 the key component of complement reaction. Isoform 2 may have an inhibitory effect on the activation of the lectin pathway of complement or may cleave IGFBP5.,PTM:Autoproteolytic processing of the proenzyme produces the active enzyme composed on the heavy and the light chain held together by a disulfide bond. Isoform 1 but not isoform 2 is activated through autoproteolytic processing.,PTM:N-glycosylated. Some N-linked glycan are of the complex-type.,PTM:The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.,similarity:Belongs to the peptidase S1 family.,similarity:Contains 1 EGF-like domain.,similarity:Contains 1 peptidase S1 domain.,similarity:Contains 2 CUB domains.,similarity:Contains 2 Sushi (CCP/SCR) domains.,subunit:Homodimer. Interacts with the oligomeric lectins MBL2, FCN2 and FCN3; triggers the lectin pathway of complement through activation of C3. Interacts with SERPING1.,tissue specificity:Protein of the plasma which is primarily expressed by liver.,

