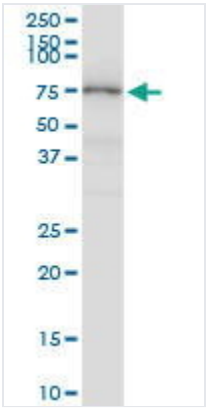
MASP2 Antibody – Rabbit Polyclonal

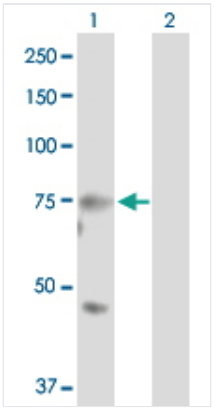
PRODUCT OVERVIEW

Product Name	MASP2, Polyclonal Antibody
Full Product Name	MASP2 (Mannan-binding Lectin Serine Protease 2, MBL-associated Serine Protease 2, Mannose-binding Protein-associated Serine Protease 2, MASP
Product Gene Name	anti-MASP2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human MASP2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Molecular Weight	75,702 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (11086580..11107296, complement). Location: 1p36.3-p36.2
OMIM	605102
3D Structure	ModBase 3D Structure for O00187
Immunogen	Full length human MASP2, aa1-686 (NP_006601.2).
Immunogen Sequence	MRLLTLLGLLCGSVATPLGPKWPEPVFGRLASPGFPGEYANDQERRWTLTAPPGYRLRLYFTHFDLELSHLCEYDFVKLSSGAKVLATLCGQESTDTERA
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-MASP2 antibody	Antibodies; Enzymes; Protease (Proteinase; Peptidase)
Applications Tested/Suitable for anti-MASP2 antibody	Western Blot (WB)
Application Notes for anti-MASP2 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-MASP2 antibody	Serum protease that plays an important role in the activation of the complement system via mannose-binding lectin. After activation by auto-catalytic cl
Other Notes	Small volumes of anti-MASP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for MASP2 purchase	MBS6384997 is an antibody targeting MASP2. Also known as MASP2 (Mannan-binding Lectin Serine Protease 2, MBL-associated Serine Protease 2,



Western Blot (WB) of anti-MASP2 antibody
MASP2 rabbit polyclonal antibody. Western Blot analysis of MASP2 expression in human spleen.



Western Blot (WB) of anti-MASP2 antibody
Western Blot analysis of MASP2 expression in transfected 293T cell line by MASP2 polyclonal antibody. Lane 1: MASP2 transfected lysate (75.7kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MASP2. It may not necessarily be applicable to this product.

NCBI GI #	21264363
NCBI GeneID	10747
NCBI Accession #	NP_006601.2
UniProt Primary Accession #	O00187
UniProt Secondary Accession #	O75754; Q5TEQ5; Q5TER0; Q96QG4; Q9BZH0; Q9H498; Q9H499; Q9UBP3; Q9UC48; A8K458; A8MWJ2
UniProt Related Accession #	O00187
GenBank Nucleotide #	NM_006610
NCBI Official Full Name	mannan-binding lectin serine protease 2 isoform 1 preproprotein
NCBI Official Synonym Full Names	mannan-binding lectin serine peptidase 2
NCBI Official Symbol	MASP2
NCBI Official Synonym Symbols	sMAP; MAP19; MASP-2; MASP1P1
UniProt Protein Name	Mannan-binding lectin serine protease 2
UniProt Synonym Protein Names	MBL-associated serine protease 2; Mannose-binding protein-associated serine protease 2
Protein Family	Mannan-binding lectin serine protease
UniProt Gene Name	MASP2
UniProt Synonym Gene Names	MASP-2
UniProt Entry Name	MASP2_HUMAN

NCBI Protein Information	mannan-binding lectin serine protease 2; small MBL-associated protein; MBL-associated serine protease 2; MBL-associated plasma protein of 19 kD; mannan-binding lectin serine protease 1 pseudogene 1; mannose-binding protein-associated serine protease 2; ma
NCBI Summary for MASP2	The Ra-reactive factor (RARF) is a complement-dependent bactericidal factor that binds to the Ra and R2 polysaccharides expressed by certain enterobacteria. Alternate splicing of this gene results in two transcript variants encoding two RARF components that are involved in the mannan-binding lectin pathway of complement activation. The longer isoform is cleaved into two chains which form a heterodimer linked by a disulfide bond. The encoded proteins are members of the trypsin family of peptidases. [provided by RefSeq, Jul 2008]
UniProt Comments for MASP2	MASP2: Serum protease that plays an important role in the activation of the complement system via mannose-binding lectin. After activation by auto-catalytic cleavage it cleaves C2 and C4, leading to their activation and to the formation of C3 convertase. Defects in MASP2 are the cause of MASP2 deficiency (MASPD). MASPD is a disorder that results in autoimmune manifestations, recurrent severe infections, and chronic inflammatory disease. Belongs to the peptidase S1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Protease; Secreted, signal peptide; EC 3.4.21.104; Secreted Chromosomal Location of Human Ortholog: 1p36.3-p36.2 Cellular Component: extracellular region Molecular Function: peptidase activity; protein binding; serine-type endopeptidase activity; complement component C4b binding; calcium ion binding; calcium-dependent protein binding Biological Process: innate immune response; proteolysis; complement activation, lectin pathway; complement activation, classical pathway; complement activation Disease: Masp2 Deficiency
Research Articles on MASP2	**1.** Data indicate that the median concentration of MASP-2/ficolin-3 complexes was 119.7 AU/ml (range: 2.9-615.5 AU/ml).
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