

## Rabbit MASP1 Polyclonal Antibody | anti-MASP1 antibody

MASP1

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA280232</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

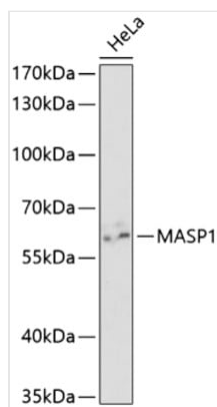
### PRODUCT SYNONYMS

MASP1; Polyclonal Antibody; MASP1;3MC1;CRARF;CRARF1;MAP1;MASP;MASP3;Map44;PRSS5;RaRF; anti-MASP1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                 |
| Reactivity                                      | Human, Mouse, Rat                                                                                                      |
| Clonality                                       | Polyclonal                                                                                                             |
| Isotype                                         | IgG                                                                                                                    |
| Purity/Purification                             | Affinity purification                                                                                                  |
| Form/Format                                     | PBS with 0.09% Sodium azide,50% glycerol,pH7.3.                                                                        |
| Sequence Length                                 | 699                                                                                                                    |
| Applicable Applications for anti-MASP1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                          |
| Immunogen                                       | A synthetic peptide corresponding to a sequence within amino acids 600 to the C-terminus of human MASP1 (NP_001870.3). |
| Preparation and Storage                         | Store at -20°C. Avoid freeze / thaw cycles.                                                                            |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts of HeLa cells, using MASP1 antibody (AAA280232) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MASP1 antibody | Background: This gene encodes a serine protease that functions as a component of the lectin pathway of complement activation. The complement pathway plays an essential role in the innate and adaptive immune response. The encoded protein is synthesized as a zymogen and is activated when it complexes with the pathogen recognition molecules of lectin pathway, the mannose-binding lectin and the ficolins. This protein is not directly involved in complement activation but may play a role as an amplifier of complement activation by cleaving complement C2 or by activating another complement serine protease, MASP-2. The encoded protein is also able to cleave fibrinogen and factor XIII and may may be involved in coagulation. A splice variant of this gene which lacks the serine protease domain functions as an inhibitor of the complement pathway. Alternate splicing results in multiple transcript variants. |
| Product Categories/Family for anti-MASP1 antibody   | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 218512135                                                                                                                                                                                                                                                                                     |
| NCBI GeneID                      | 5648                                                                                                                                                                                                                                                                                          |
| UniProt Accession #              | P48740; O95570; Q68D21; Q8IUV8; Q96RS4; Q9UF09; A8K542; A8K6M1; B4E2L7                                                                                                                                                                                                                        |
| Molecular Weight                 | Observed MW: 60kDa<br>Calculated MW: 43kDa/68kDa/79kDa/81kDa                                                                                                                                                                                                                                  |
| NCBI Official Full Name          | Mannan-binding lectin serine protease 1                                                                                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor)                                                                                                                                                                                                   |
| NCBI Official Symbol             | MASP1                                                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | 3MC1; MAP1; MASP; RaRF; CRARF; MASP3; MAp44; PRSS5; CRARF1                                                                                                                                                                                                                                    |
| NCBI Protein Information         | mannan-binding lectin serine protease 1; serine protease 5; complement factor MASP-3; Ra-reactive factor serine protease p100; mannose-binding protein-associated serine protease; mannose-binding lectin-associated serine protease 1; complement-activating component of Ra-reactive factor |
| UniProt Protein Name             | Mannan-binding lectin serine protease 1                                                                                                                                                                                                                                                       |
| UniProt Gene Name                | <b>MASP1</b>                                                                                                                                                                                                                                                                                  |
| UniProt Synonym Gene Names       | CRARF; CRARF1; PRSS5; MASP-1; RaRF                                                                                                                                                                                                                                                            |
| UniProt Entry Name               | MASP1_HUMAN                                                                                                                                                                                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/masp1-antibody-immunohistochemistry-western-blot-elisa/280232>