

MASP1 HC Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51330**Specification**

MASP1 HC Antibody - Product Information

Application	WB, E
Primary Accession	P48740
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47 KDa

MASP1 HC Antibody - Additional Information**Gene ID** 5648**Other Names**

Mannan-binding lectin serine protease 1, 3421-, 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 factor serine protease p100, RaRF, Serine protease 5, Mannan-binding lectin serine protease 1 heavy chain, Mannan-binding lectin serine protease 1 light chain, MASP1, CRARF, CRARF1, PRSS5

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MASP1 HC. The exact sequence is proprietary.

Dilution

WB~~1:1000
E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

MASP1 HC Antibody - Protein Information**Name** MASP1**Synonyms** CRARF, CRARF1, PRSS5**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. Also plays a role in development (PubMed:21258343).

Cellular Location

Secreted.

Tissue Location

Protein of the plasma which is primarily expressed by liver.

MASP1 HC Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MASP1 HC Antibody - Images**MASP1 HC Antibody - Background**

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MASP1 HC Antibody - References

Takada F.,et al.Biochem. Biophys. Res. Commun. 196:1003-1009(1993).
Sato T.,et al.Int. Immunol. 6:665-669(1994).
Endo Y.,et al.Int. Immunol. 8:1355-1358(1996).
Takayama Y.,et al.Mol. Immunol. 36:505-514(1999).
Dahl M.R.,et al.Immunity 15:127-135(2001).