

MASP2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51788

Product Information

Application	WB
Primary Accession	O00187
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75702

Additional Information

Gene ID	10747
Other Names	Mannan-binding lectin serine protease 2, MBL-associated serine protease 2, Mannose-binding protein-associated serine protease 2, MASP-2, Mannan-binding lectin serine protease 2 A chain, Mannan-binding lectin serine protease 2 B chain, MASP2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MASP2. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
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

Protein Information

Name	MASP2 {ECO:0000303 PubMed:9087411, ECO:0000312 HGNC:HGNC:6902}
Function	Precursor of a serum protease that activates the lectin pathway of the complement system, a cascade of proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system (PubMed: 11527969 , PubMed: 22691502). The lectin complement system is activated following association of lectins, such as MBL2, FCN1, FCN2 or FCN3, to carbohydrates on the pathogen surface (PubMed: 22691502 , PubMed: 22966085). MASP2 is cleaved and activated by MASP1 in response to lectin-binding to pathogen carbohydrates (PubMed: 10946292 , PubMed: 22949645 , PubMed: 22966085 , PubMed: 9087411). Can activate prothrombin to thrombin (PubMed: 39924859).
Cellular Location	Secreted.

Tissue Location

Plasma..

Background

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.

References

Thiel S.,et al.Nature 386:506-510(1997).

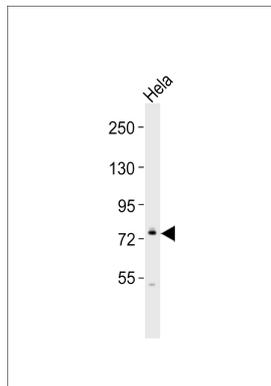
Takahashi M.,et al.Int. Immunol. 11:859-863(1999).

Stover C.M.,et al.J. Immunol. 162:3481-3490(1999).

Thiel S.,et al.Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.

Takahashi M.,et al.Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.

Images



Anti-MASP2 Antibody at 1:1000 dilution + HeLa whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 76 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.