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Anti-MASP2 Antibody

Catalog # AP51788

Product Information

Application	WB
Primary Accession	O00187
Reactivity	Human, Mouse, Rat
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
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	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

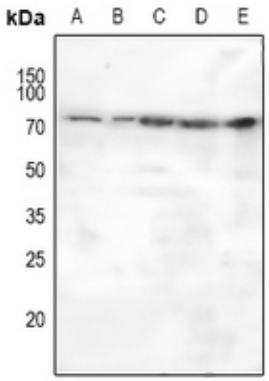
Protein Information

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..

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



Western blot analysis of MASP2 expression in Hela (A), LO2 (B), HCT116 (C), CT26 (D), H9C2 (E) whole cell lysates. (Predicted band size: 75 kD; Observed band size: 76 kD)

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