

Anti-MASP1/MASP3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Dog,Pig,Cow,Rabbit)
Molecular Weight:	Theoretical: 49/77 kDa. Actual: 77 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Brain (Rat) lysate at 30 µg; Primary: Anti-MASP1 (TMAB-08624) at 1:300 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000 dilution; Predicted band size: 54/77 kD Observed band size: 77 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human MASP
Antigen Species:	Human
Gene ID:	5648
Uniprot ID:	P48740

Research 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 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.[provided by RefSeq, Apr 2010]

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