10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MASP-2 Polyclonal Antibody

Catalog # AP70839

Product Information

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

Additional Information

Gene ID	10747
Other Names	MASP2; Mannan-binding lectin serine protease 2; MBL-associated serine protease 2; Mannose-binding protein-associated serine protease 2; MASP-2
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

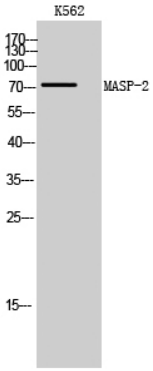
Protein Information

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.

Images



Western Blot analysis of K562 cells using MASP-2 Polyclonal Antibody

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