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

Cleaved-MASP-1 HC (R448) Polyclonal Antibody

Catalog # AP63172

Product Information

Application	WB, E
Primary Accession	P48740
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79247

Additional Information

Gene ID	5648
Other Names	MASP1; CRARF; CRARF1; PRSS5; Mannan-binding lectin serine protease 1; Complement factor MASP-3; Complement-activating component of Ra-reactive factor; Mannose-binding lectin-associated serine protease 1; MASP-1; Mannose-binding protein-asso
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. 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

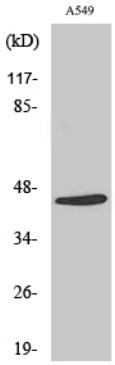
Name	MASP1 {ECO:0000303|PubMed:11290788, ECO:0000312|HGNC:HGNC:6901}
Function	Precursor of a serum protease that activates the complement pathway of the complement system, a cascade of proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system.
Cellular Location	Secreted. [Isoform MASP-3]: Secreted
Tissue Location	Protein of the plasma which is primarily expressed by liver.

Background

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).

Images



Western Blot analysis of various cells using Cleaved-MASP-1 HC (R448) Polyclonal Antibody

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