

For Research Use Only

# SERPING1 Recombinant antibody

Catalog Number: 82731-1-RR



## Basic Information

<b>Catalog Number:</b> 82731-1-RR	<b>GenBank Accession Number:</b> BC011171	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 710	<b>CloneNo.:</b> 3H7
<b>Source:</b> Rabbit	<b>Full Name:</b> serpin peptidase inhibitor, clade G (C1 inhibitor), member 1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 500 aa, 55 kDa	
<b>Immunogen Catalog Number:</b> AG2819	<b>Observed MW:</b> 100 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human plasma,
<b>Species Specificity:</b> Human	

## Background Information

SERPING1, also known as C1 Inhibitor (C1INH), is a member of the Serine proteinase inhibitor family. Its main function is the inhibition of the complement system to prevent spontaneous activation. It inhibits activated C1r and C1s of the first complement component and thus regulates complement activation. Deficiency of this protein is associated with hereditary angioneurotic oedema (HANE). C1INH is the most heavily glycosylated plasma protein. Of its 95-105 kDa apparent molecular mass, the protein moiety of 500 aa accounts for only 55 kDa. The native 105 kDa form of C1INH could be cleaved into 60-65 kDa fragments.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

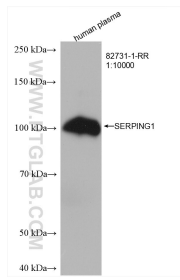
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## Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 82731-1-RR (SERPING1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.