

# C4 Gamma Chain Polyclonal antibody

Catalog Number: 17160-1-AP

## Basic Information

<b>Catalog Number:</b> 17160-1-AP	<b>GenBank Accession Number:</b> BC012372	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 240 µg/ml	<b>GeneID (NCBI):</b> 720	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> POCOL4	
<b>Isotype:</b> IgG	<b>Full Name:</b> complement component 4A (Rodgers blood group)	
<b>Immunogen Catalog Number:</b> AG10449	<b>Calculated MW:</b> 1744 aa, 193 kDa	
	<b>Observed MW:</b> 30-35 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : human plasma,

IHC : human liver cancer tissue,

## Background Information

Complement C4, a component of the classical complement pathway, has an important role in innate immune function. C4 protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains (molecular weights 95, 78, and 31 kDa) prior to secretion. The alpha chain is cleaved to release C4 anaphylatoxin, an antimicrobial peptide and a mediator of local inflammation. This antibody raised against 1543-1744aa of human C4A protein recognizes the C4 gamma chain.

## Storage

### Storage:

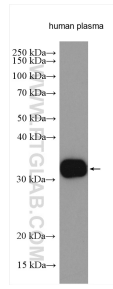
Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

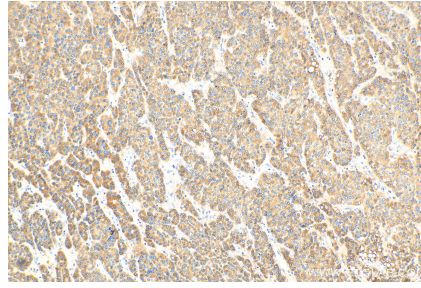
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

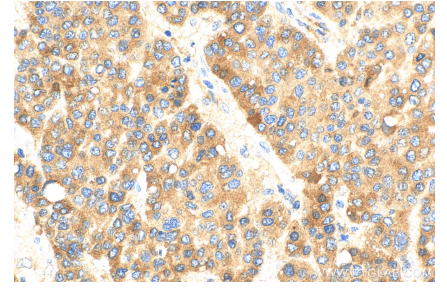
## Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 17160-1-AP (C4 Gamma Chain antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17160-1-AP (C4 Gamma Chain antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17160-1-AP (C4 Gamma Chain antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).