

For Research Use Only

# C8G Polyclonal antibody

Catalog Number: 27200-1-AP



## Basic Information

<b>Catalog Number:</b> 27200-1-AP	<b>GenBank Accession Number:</b> BC113626	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 733	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P07360	
<b>Isotype:</b> IgG	<b>Full Name:</b> complement component 8, gamma polypeptide	
<b>Immunogen Catalog Number:</b> AG17949	<b>Calculated MW:</b> 202 aa, 22 kDa	
	<b>Observed MW:</b> 18-22 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 milk, human placenta tissue

IHC: human breast cancer tissue, human liver cancer tissue

## Background Information

The gamma chain of complement component 8 (C8G) is one of three different subunits (alpha, beta, and gamma) of the eighth complement component (C8), which is a component of the MAC (membrane attack complex) (PMID:33382892). Although the roles of C8A and C8B are directly associated with MAC formation, C8G is not essential in the assembly and activity of the MAC (PMID:11960635). Moreover, C8G was shown to inhibit neuroinflammation by interfering with the sphingosine-1-phosphate (S1P)-S1PR2 interaction (PMID:34149451).

## 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

For technical support and original validation data for this product please contact:

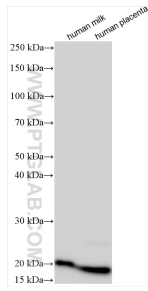
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

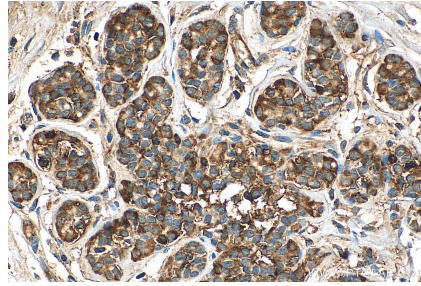
W: [ptgcn.com](http://ptgcn.com)

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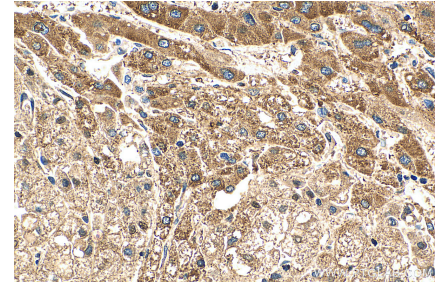
## Selected Validation Data



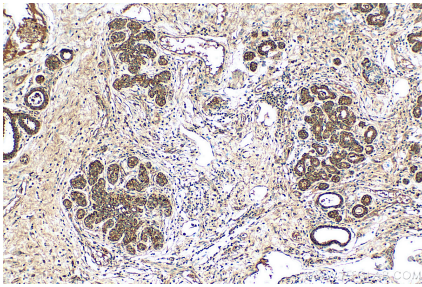
Various lysates were subjected to SDS PAGE followed by western blot with 27200-1-AP (C8G antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



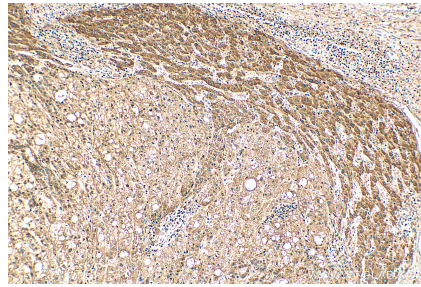
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27200-1-AP (C8G antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27200-1-AP (C8G antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27200-1-AP (C8G antibody) at dilution of 1:200 (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 27200-1-AP (C8G antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).