

For Research Use Only

C8G Polyclonal antibody

Catalog Number: 27200-1-AP



Basic Information

Catalog Number: 27200-1-AP	GenBank Accession Number: BC113626	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 733	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	Full Name: complement component 8, gamma polypeptide	
Isotype: IgG	Calculated MW: 202 aa, 22 kDa	
Immunogen Catalog Number: AG17949	Observed MW: 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

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

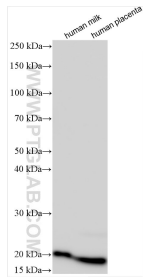
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

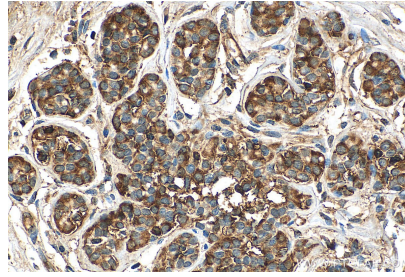
E: proteintech@ptglab.com
W: ptglab.com

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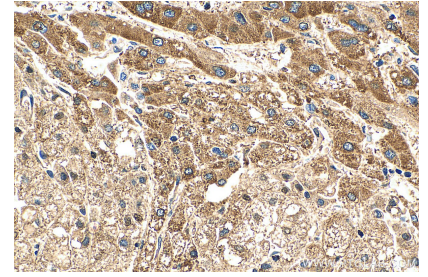
Selected Validation Data



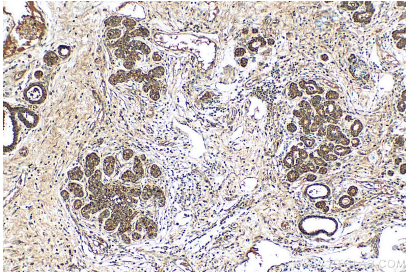
Various lysates were subjected to SDS PAGE followed by western blot with 27200-1-AP (C8G antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



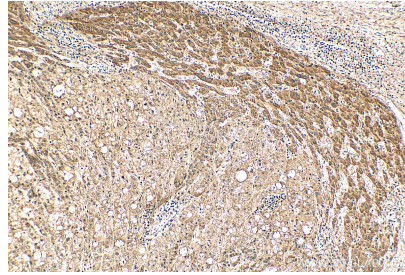
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27200-1-AP (C8G antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).