

For Research Use Only

C8G Polyclonal antibody

Catalog Number: 27200-1-AP



Basic Information

Catalog Number:

27200-1-AP

Size:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17949

GenBank Accession Number:

BC113626

GeneID (NCBI):

733

UNIPROT ID:

P07360

Full Name:

complement component 8, gamma polypeptide

Calculated MW:

202 aa, 22 kDa

Observed MW:

18-22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, 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:

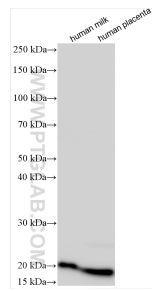
T: 4006900926

E: Proteintech-CN@ptglab.com

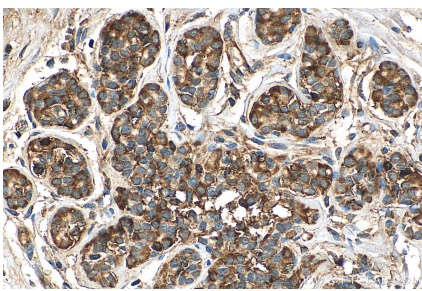
W: ptgcn.com

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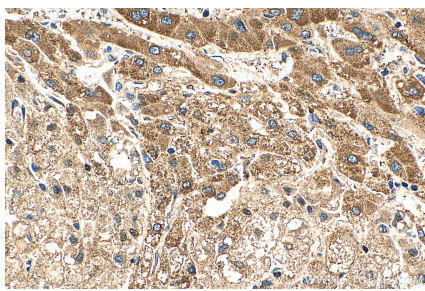
Selected Validation Data



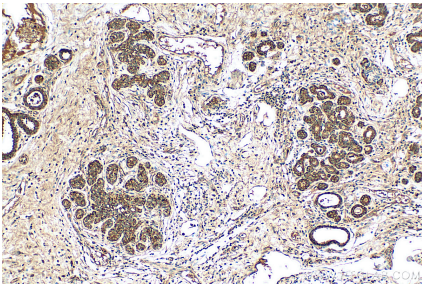
Various lysates were subjected to SDS PAGE followed by western blot with 27200-1-AP (C8G antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



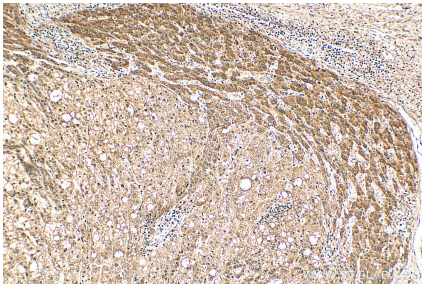
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27200-1-AP (C8G antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).