

For Research Use Only

C9 Recombinant monoclonal antibody, PBS Only

Catalog Number: 84890-4-PBS



Basic Information

Catalog Number: 84890-4-PBS	GenBank Accession Number: NM_001737.4	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 735	CloneNo.: 242475B11
Source: Rabbit	UNIPROT ID: P02748	
Isotype: IgG	Full Name: complement component 9	
Immunogen Catalog Number: EG1282	Calculated MW: 63kDa	
	Observed MW: 64 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human

Background Information

The final consequence of complement activation is the formation of the membrane attack complex (MAC), a multiprotein assembly that perforates cell membranes, forming transmembrane channels. The MAC plays a critical role in complement-mediated hemolysis and inflammasome activation (PMID: 27444648). Complement component 9 (C9) is 1 of 5 late-acting proteins of complement that participate in the assembly and function of the MAC. C9 may be cleaved by thrombin to generate fragments C9a (25 kDa) and C9b (37 kDa) (PMID: 7523406).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

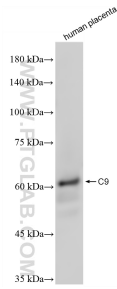
For technical support and original validation data for this product please contact:

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

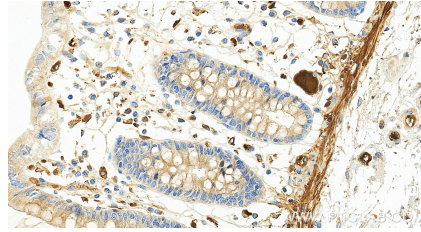
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

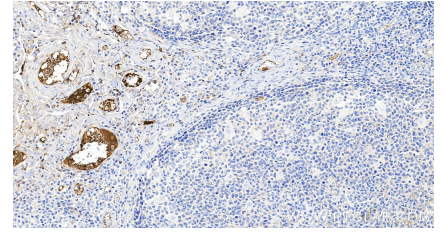
Selected Validation Data



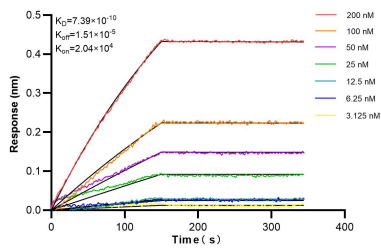
human placenta tissue were subjected to SDS PAGE followed by western blot with 84890-4-RR (C9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84890-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 84890-4-RR (C9 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84890-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84890-4-RR (C9 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84890-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84890-4-RR against Human C9 were performed. The affinity constant is 0.739 nM.