

# Product Datasheet

## Complement Component C9 Antibody - BSA Free **NBP2-15952**

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-15952**

## Complement Component C9 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Target Molecular Weight</b>	63 kDa

**Product Description**

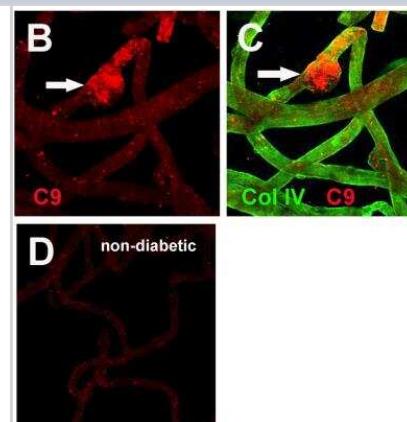
<b>Description</b>	Novus Biologicals Rabbit Complement Component C9 Antibody - BSA Free (NBP2-15952) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Complement Component C9 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	735
<b>Gene Symbol</b>	C9
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Complement Component C9. The exact sequence is proprietary.

**Product Application Details**

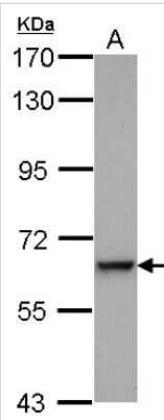
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:1000

**Images**

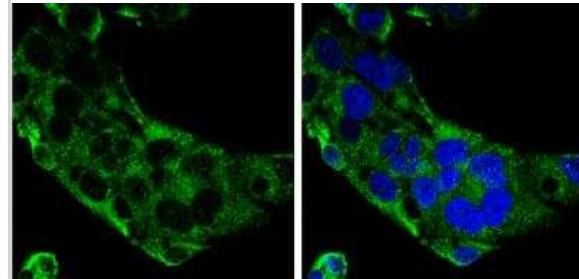
Immunohistochemistry: Complement Component C9 Antibody [NBP2-15952] - A generic staining of the vascular BMs was given by an antibody to the 7S domain of collagen IV a3 (C). Prominent staining for microvascular aneurisms was detected by staining with antibodies to C9 (B, C). The same treatment of vascular BM whole mounts from non-diabetic eyes did not show staining for these proteins (D). Image collected and cropped by CiteAb from the following publication ([dx.plos.org/10.1371/journal.pone.0189857](https://dx.plos.org/10.1371/journal.pone.0189857)) licensed under a CC-BY license.



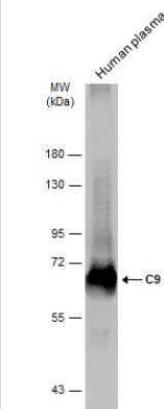
Western Blot: Complement Component C9 Antibody [NBP2-15952] - Sample (30 ug of whole cell lysate) A: THP-1 7.5% SDS PAGE gel, diluted at 1:500.



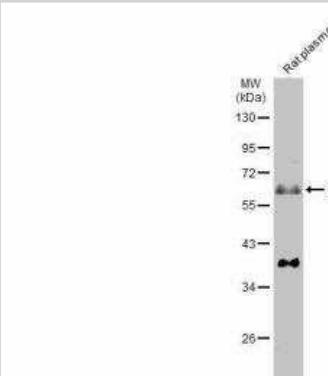
Immunocytochemistry/Immunofluorescence: Complement Component C9 Antibody [NBP2-15952] - HepG2 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: C9 stained by C9 antibody [N2C2-2], Internal diluted at 1:500. Blue: Hoechst 33342 staining.



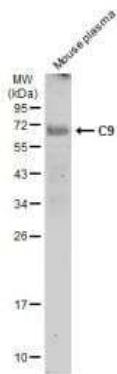
Western Blot: Complement Component C9 Antibody [NBP2-15952] - Human plasma (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with C9 antibody [N2C2-2], Internal diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Western Blot: Complement Component C9 Antibody [NBP2-15952] - Rat plasma (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with Complement Component C9 Antibody diluted at 1:1000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: Complement Component C9 Antibody [NBP2-15952] - Mouse plasma (50 ug) was separated by 12% SDS-PAGE, and the membrane was blotted with Complement Component 9 antibody diluted at 1:1000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody,

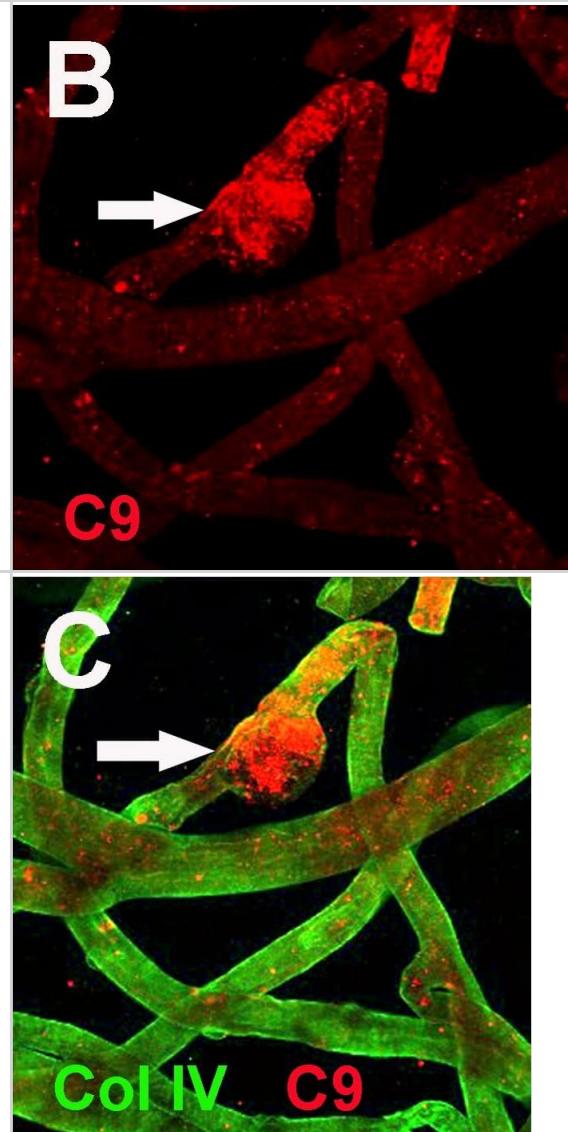


Immunocytochemistry/ Immunofluorescence: Complement Component C9 Antibody [NBP2-15952] - Staining of vascular BM whole mounts with antibodies to proteins detected in the proteome analysis. A generic staining of the vascular BMs was given by an antibody to the 7S domain of collagen IV  $\alpha$ 3 (A, C, E, F, G). Prominent staining for microvascular aneurisms was detected by staining with antibodies to C9 (B, C), Fibronectin (FN, E), ApoE (F) & PRELP (G). The same treatment of vascular BM whole mounts from non-diabetic eyes did not show staining for these proteins (D). A norrin-specific staining is shown to be generic for the entire vascular BM whole mounts (H), the signal, however, being less prominent in vascular aneurisms (arrow in H). Staining of vascular BM whole mounts from non-diabetic eyes showed a clearly weaker staining for norrin, when compared to vascular whole mounts from non-diabetic donors. Bar: 25um. Image collected & cropped by CiteAb from the following publication

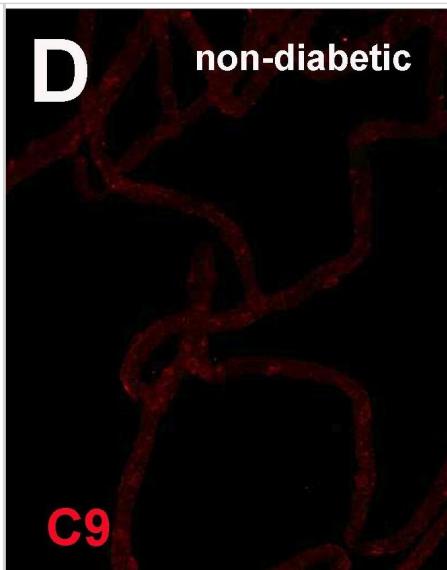
(<https://dx.plos.org/10.1371/journal.pone.0189857>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

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## Publications

Halfter W, Moes S, Asgeirsson DO et al. Diabetes-related changes in the protein composition and the biomechanical properties of human retinal vascular basement membranes. PLoS ONE 2017-12-28 [PMID: 29284024] (ICC/IF, Human)



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### Products Related to NBP2-15952

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00000735-P01-10ug	Recombinant Human Complement Component C9 GST (N-Term) Protein

### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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