

Product Datasheet

Complement C3 Antibody NBP1-32080

Unit Size: 100 ul

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

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NBP1-32080

Complement C3 Antibody

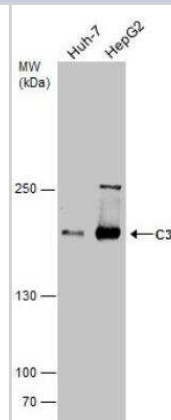
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	187 kDa

Product Description	
Host	Rabbit
Gene ID	718
Gene Symbol	C3
Species	Human, Mouse, Rat
Reactivity Notes	Use in Rat reported in scientific literature (PMID:34198710).
Immunogen	Recombinant protein encompassing a sequence within the C-terminus region of human Complement C3. The exact sequence is proprietary.

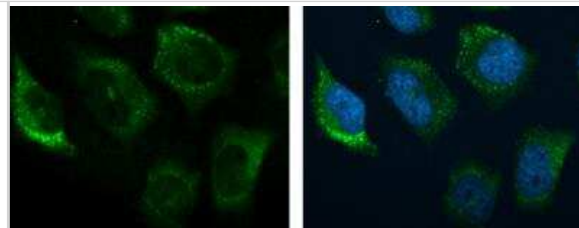
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:3000, Simple Western 1:50, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000
Application Notes	Immunosubtraction-Assay dependent. Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in HepG2 lysate 0.05 mg/mL, separated by Size, antibody dilution of 1:50, apparent MW was 193 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

Images

Western Blot: Complement C3 Antibody [NBP1-32080] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with C3 antibody diluted at 1:1000.



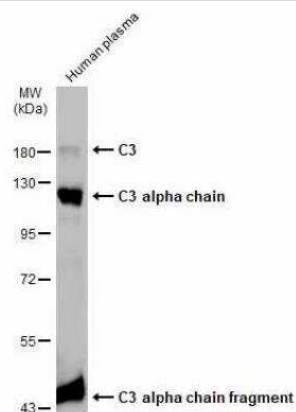
Immunocytochemistry/Immunofluorescence: Complement C3 Antibody [NBP1-32080] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: C3 protein stained by C3 antibody [C3], C-term diluted at 1:200. Blue: Hoechst 33342 staining.



Immunohistochemistry-Paraffin: Complement C3 Antibody [NBP1-32080] - Mouse brain. C3 antibody [C3], C-term diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



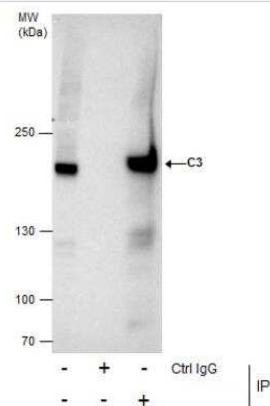
Western Blot: Complement C3 Antibody [NBP1-32080] - Human plasma (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with C3 antibody [C3], C-term diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Simple Western: Complement C3 Antibody [NBP1-32080] - Simple Western lane view shows a specific band for Complement C3 in 0.05 mg/ml of HepG2 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Immunoprecipitation: Complement C3 Antibody [NBP1-32080] - Immunoprecipitation of C3 protein from HepG2 whole cell extracts using 5 ug of C3 antibody [C3], C-term.



Publications

Liu H, Cheng H, Wang H et al. Crocin improves the renal autophagy in rat experimental membranous nephropathy via regulating the SIRT1/Nrf2/HO-1 signaling pathway *Ren Fail* 2023-09-19 [PMID: 37724538] (Immunocytochemistry/Immunofluorescence)

Jalloh AI Bioinformatic Analysis Predicts Microglial Dysfunction in Murine Aging Thesis 2023-01-01

Choi G, Chae C, Park M et al. Prenatal Stress Selectively Impairs Neuroligin 1-Dependent Neurogenesis by Suppressing Astrocytic FGF2-Neuronal FGFR1 Axis *Cell Mol Life Sci* 2022-05-13 [PMID: 35562616]

Yang Q, Song D, Xie Z et al. Optogenetic stimulation of CA3 pyramidal neurons restores synaptic deficits to improve spatial short-term memory in APP/PS1 mice *Progress in neurobiology* 2021-12-22 [PMID: 34953962] (IHC-P, Mouse)

Fee LT, Gogoi D, OBrien ME et al. C3d Elicits Neutrophil Degranulation and Decreases Endothelial Cell Migration, with Implications for Patients with Alpha-1 Antitrypsin Deficiency *Biomedicines* 2021-12-16 [PMID: 34944741] (WB, Human)

Jalloh A, Flowers A, Hudson C et al. Polyphenol Supplementation Reverses Age-Related Changes in Microglial Signaling Cascades *International Journal of Molecular Sciences* 2021-06-14 [PMID: 34198710] (Simple Western, Rat)

Racz B, Varadi A, Kong J et al. A non-retinoid antagonist of retinol-binding protein 4 rescues phenotype in a model of Stargardt disease without inhibiting the visual cycle *Biological Chemistry* 2018-07-20 [PMID: 29871924] (WB, IF/IHC, Mouse)

Popeda M, Markiewicz A, Stokowy T et al. Reduced expression of innate immunity-related genes in lymph node metastases of luminal breast cancer patients *Scientific reports* 2021-03-03 [PMID: 33658651] (Human)

Neglia, L;Oggioni, M;Mercurio, D;De Simoni, MG;Fumagalli, S; Specific contribution of mannose-binding lectin murine isoforms to brain ischemia/reperfusion injury *Cell. Mol. Immunol.* 2019-04-09 [PMID: 30967639] (IF/IHC, Mouse)



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Products Related to NBP1-32080

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
P3343-10ug	Recombinant Mouse Complement C3 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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