

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

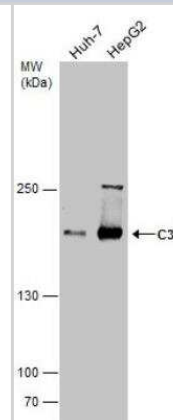
Host	Rabbit
Gene ID	718
Gene Symbol	C3
Species	Human, Mouse, Rat
Reactivity Notes	Use in Rat reported in scientific literature (PMID:34198710).
Immunogen	Recombinant protein encompassing a sequence within the C-terminus region of human Complement C3. The exact sequence is proprietary.

Product Application Details

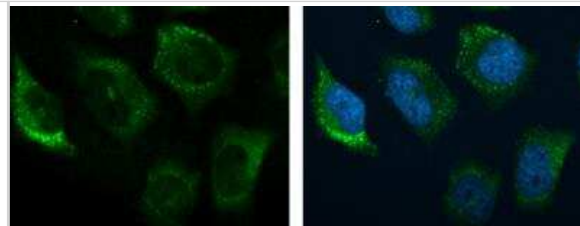
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:3000, Simple Western 1:50, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, 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.



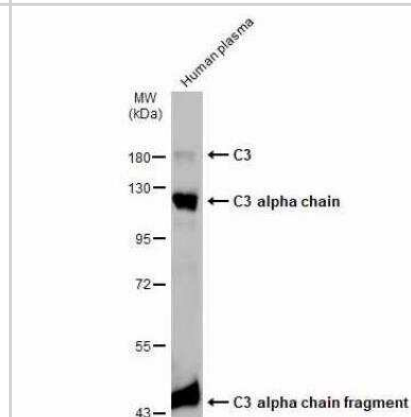
Immunocytochemistry/Immunofluorescence: Complement C3 Antibody [NBP1-32080] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: C3 protein stained by C3 antibody [C3], C-term diluted at 1:200. Blue: Hoechst 33342 staining.



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.



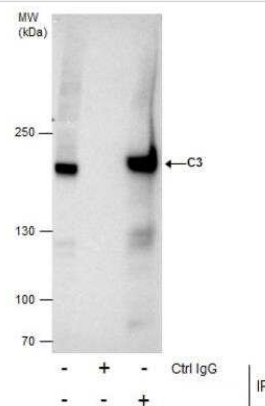
Western Blot: Complement C3 Antibody [NBP1-32080] - Human plasma (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with C3 antibody [C3], C-term diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



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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