

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

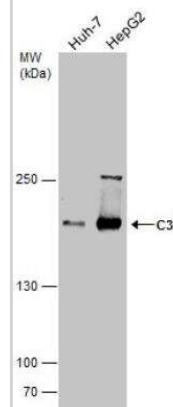
| | |
|-------------------------|--|
| Description | Novus Biologicals Rabbit Complement C3 Antibody (NBP1-32080) is a polyclonal antibody validated for use in IHC, WB, ICC/IF, Simple Western and IP. Anti-Complement C3 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| 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

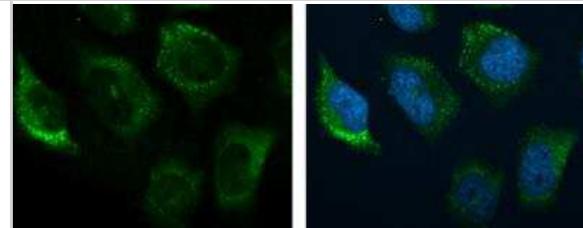
| | |
|------------------------------|---|
| Applications | Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation |
| Recommended Dilutions | Western Blot 1:500-1:3000, Simple Western 1:50, Immunohistochemistry,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



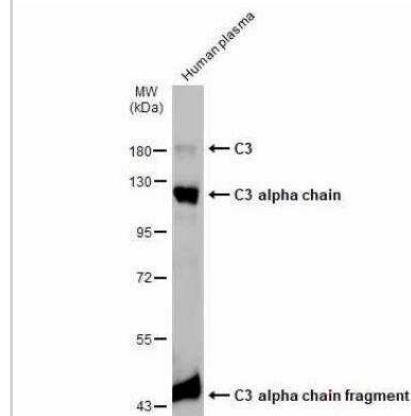
Immunocytochemistry/Immunofluorescence: Complement C3 Antibody [NBP1-32080] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: C3 protein stained by C3 antibody [C3], C-term diluted at 1:200. Blue: Hoechst 33342 staining.



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.



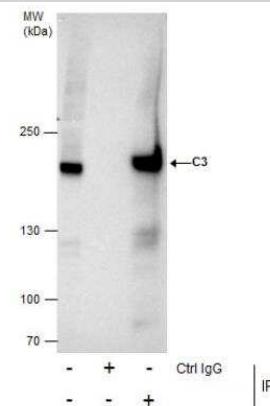
Western Blot: Complement C3 Antibody [NBP1-32080] - Human plasma (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with C3 antibody [C3], C-term diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



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] (Immunohistochemistry, Western Blot, Mouse)

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)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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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