

Product Datasheet

Complement Factor B Antibody - BSA Free NBP1-89985

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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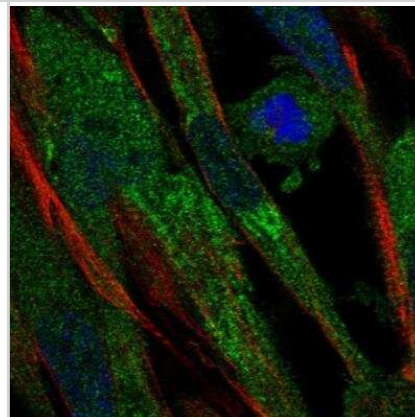


NBP1-89985**Complement Factor B Antibody - BSA Free**

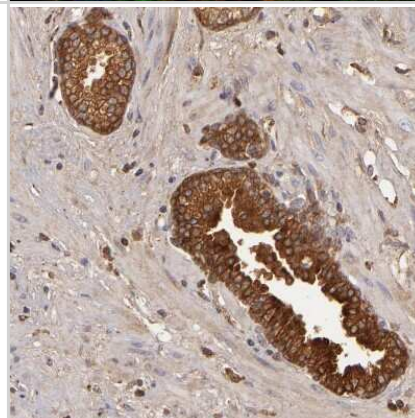
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Host	Rabbit
Gene ID	629
Gene Symbol	CFB
Species	Human, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID:30220554) and (PMID: 26928779). Mouse (86%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: KDNEQHVFKVKDMENLEDVFYQMIDESQSLSLCGMVWEHRKGTDYHKQPWQ AKISVIRPSKGHESCMGAVVSEYFVLTAHCFTVDDKEHSIKVSVGGEKRDLEI EVVLFHPNYNINGKKEAGIPEFYDYDVALIKLKNKLKYG
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reported in (PMID: 36076550), Simple Western 1:20, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Immunohistochemistry-Frozen Reported in (PMID: 26928779)
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation/Permeabilization: PFA/Triton X-100 In 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 Tonsil, separated by Size, antibody dilution of 1:20, apparent MW was 120 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

Images

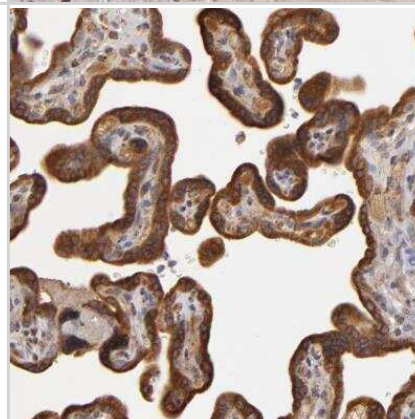
Immunocytochemistry/Immunofluorescence: Complement Factor B Antibody [NBP1-89985] - Staining of human cell line ASC TERT1 shows localization to endoplasmic reticulum. Antibody staining is shown in green.



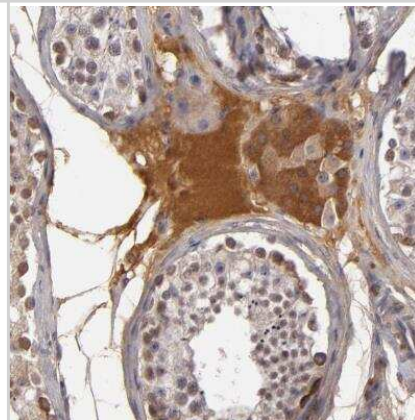
Immunohistochemistry-Paraffin: Complement Factor B Antibody [NBP1-89985] - Staining of human prostate shows strong cytoplasmic positivity in glandular cells.



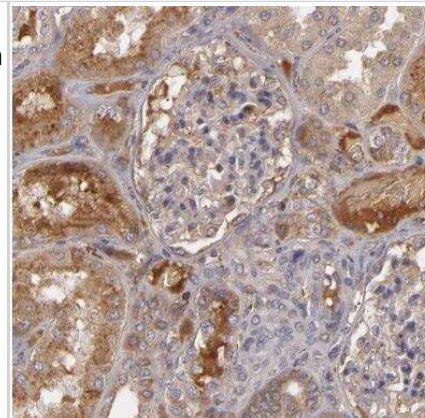
Immunohistochemistry-Paraffin: Complement Factor B Antibody [NBP1-89985] - Staining of human placenta shows strong positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: Complement Factor B Antibody [NBP1-89985] - Staining of human testis shows moderate positivity of secretion surrounding Leydig cells.



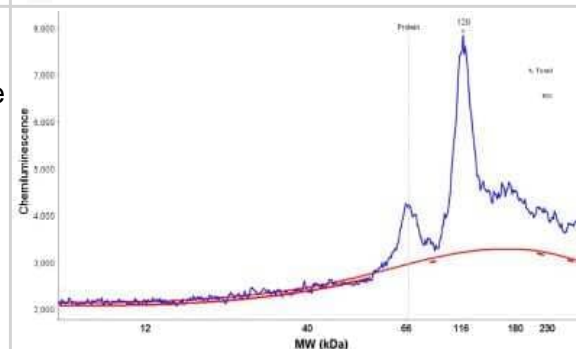
Immunohistochemistry-Paraffin: Complement Factor B Antibody [NBP1-89985] - Staining of human kidney shows moderate positivity in secretion surrounding cells in tubules.



Simple Western: Complement Factor B Antibody [NBP1-89985] - Simple Western lane view shows a specific band for CFB in 0.2 mg/ml of Tonsil lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: Complement Factor B Antibody [NBP1-89985] - Electropherogram image(s) of corresponding Simple Western lane view. Complement Factor B antibody was used at 1:20 dilution on Tonsil lysate (s).



Publications

Chen K, Deng Y, Shang S et al. Complement factor B inhibitor LNP023 improves lupus nephritis in MRL/lpr mice *Biomedicine & Pharmacotherapy* 2022-09-01 [PMID: 36076550] (IHC-P, WB, Mouse)

Kendall RT, Renaud L, Baatz JE et al. SSc biomarkers detection in the secretome of TGFbeta1-activated primary human lung fibroblasts *Journal of proteomics* 2021-04-27 [PMID: 33930553]

Lin CM, Titchenell PM, Keil JM et al. Inhibition of Atypical Protein Kinase C Reduces Inflammation-Induced Retinal Vascular Permeability. *Am. J. Pathol.* 2018-10-01 [PMID: 30220554] (ICC/IF, Rat)

Yamanaka K, Kakuta Y, Miyagawa S et al. Depression of Complement Regulatory Factors in Rat and Human Renal Grafts Is Associated with the Progress of Acute T-Cell Mediated Rejection *PLoS ONE* 2016-03-01 [PMID: 26928779] (IHC-Fr, Rat)

Kato BS, Nicholson G, Neiman M et al. Variance decomposition of protein profiles from antibody arrays using a longitudinal twin model. *Proteome Sci* 2011-11-17 [PMID: 22093360]

Cima I, Schiess R, Wild P et al. Cancer genetics-guided discovery of serum biomarker signatures for diagnosis and prognosis of prostate cancer. *Proc Natl Acad Sci U S A* 2011-02-22 [PMID: 21300890]

Singh MV, Kapoun A, Higgins L et al. Ca²⁺/calmodulin-dependent kinase II triggers cell membrane injury by inducing complement factor B gene expression in the mouse heart. *J Clin Invest* 2009-04-01 [PMID: 19273909]





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Products Related to NBP1-89985

NBP1-89985PEP	Complement Factor B Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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