

# Product Datasheet

## Cyclophilin A Antibody - BSA Free NBP1-30993

Unit Size: 100 ul

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

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 2

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Updated 9/25/2025 v.20.1

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**NBP1-30993****Cyclophilin A Antibody - BSA Free**

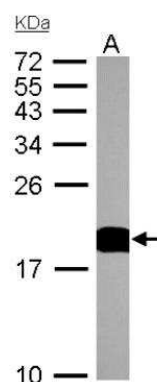
<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	0.1M Tris, 0.1M Glycine, 20% Glycerol
<b>Target Molecular Weight</b>	18 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit Cyclophilin A Antibody - BSA Free (NBP1-30993) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Cyclophilin A Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5478
<b>Gene Symbol</b>	PPIA
<b>Species</b>	Human, Mouse, Rat, Hamster
<b>Reactivity Notes</b>	Cat (100%).
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human Cyclophilin A. The exact sequence is proprietary.

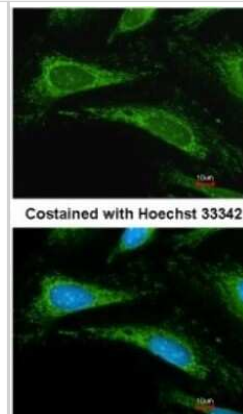
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1:5000-1:20000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Knockdown Validated

**Images**

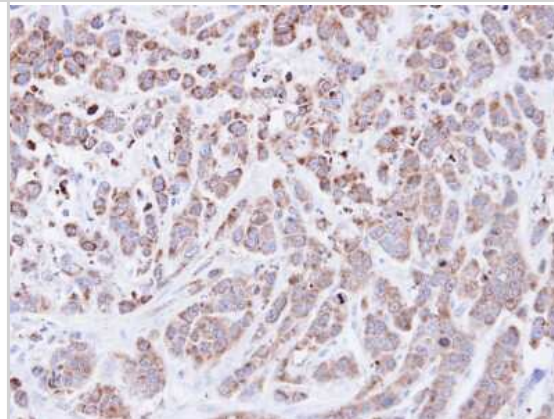
Western Blot: Cyclophilin A Antibody [NBP1-30993] - (30 ug of whole cell lysate) A: HepG2 12% SDS PAGE diluted at 1:3000



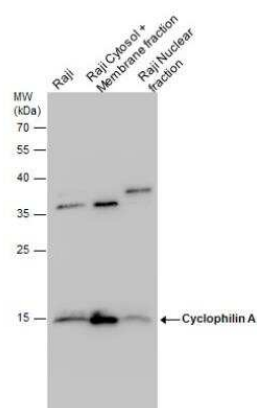
Immunocytochemistry/Immunofluorescence: Cyclophilin A Antibody [NBP1-30993] - Methanol-fixed HeLa, using Cyclophilin A antibody at 1:200 dilution.



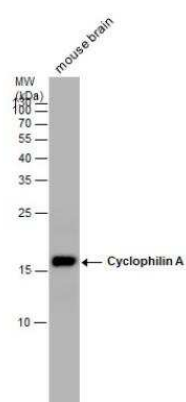
Immunohistochemistry-Paraffin: Cyclophilin A Antibody [NBP1-30993] - MDA-MB-468 xenograft, using Cyclophilin A antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



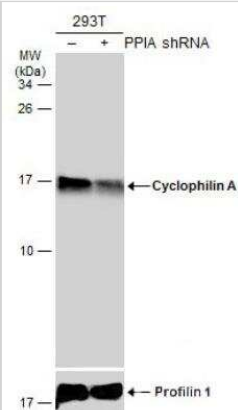
Western Blot: Cyclophilin A Antibody [NBP1-30993] - Raji whole cell extracts and cytoplasm+membrane and nuclear extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with Cyclophilin A antibody at a dilution of 1:5000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



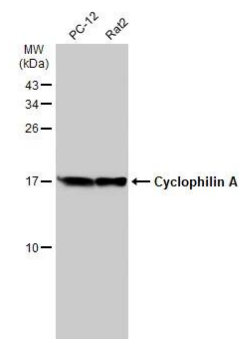
Western Blot: Cyclophilin A Antibody [NBP1-30993] - Analysis. Mouse tissue extracts (50 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with Cyclophilin A antibody at a dilution of 1:20000.



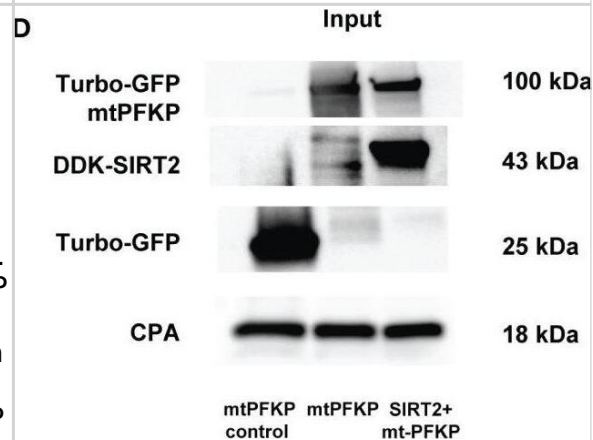
Western Blot: Cyclophilin A Antibody [NBP1-30993] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with Cyclophilin A antibody diluted at 1:20000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



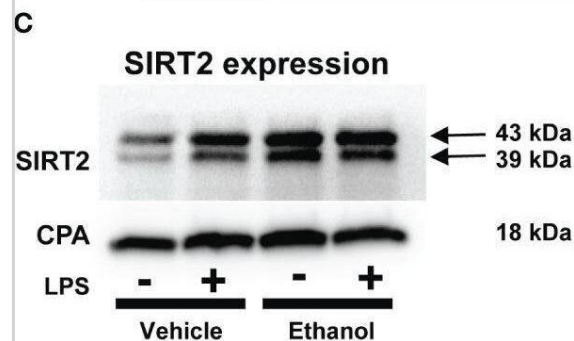
Western Blot: Cyclophilin A Antibody [NBP1-30993] - Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with Cyclophilin A antibody [C1C3] (NBP1-30993) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



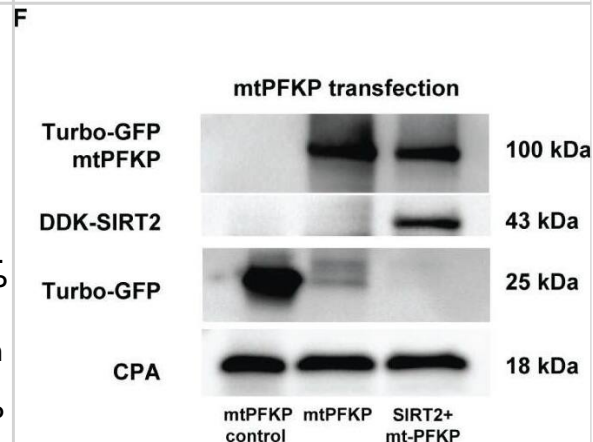
Effect of K394R mutation on PFKP. (A, B) HEK293T cells transfected with wtPFKP/mtPFKP in the presence or absence of SIRT2. Western blot analysis of Turbo-GFP-wtPFKP, DDK-SIRT2, turbo-GFP (control for wtPFKP plasmid transfected) and CPA. (C) mtPFKP transfection and IP using turbo-GFP-trap in HEK293T cells, in presence or absence of SIRT2 followed by IB analysis of acetyl lysine, turbo-GFP-mtPFKP and turbo-GFP (control for wtPFKP plasmid transfected). Pulldown with HEK293T cell lysate without transfection was used as a negative control. (D) Western blot analysis of turbo-GFP mtPFKP, DDK-SIRT2, turbo-GFP and CPA in whole cell lysate, used as an input for the turbo-GFP IP. (E) mtPFKP transfection and IP using magnetic-TUBEs in HEK293T cells, in presence or absence of SIRT2 followed by IB analysis of ubiquitination. (F) Western blot analysis of turbo-GFP mtPFKP, DDK-SIRT2, turbo-GFP and CPA in whole cell lysate used as input for the TUBE IP. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36865524>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



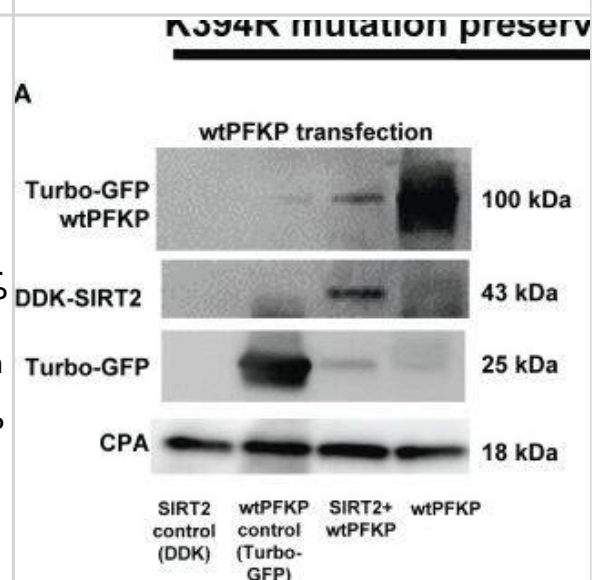
The effect of acute ethanol-exposure on mouse bone marrow derived macrophages (BMDM). Phagocytosis in BMDM exposed to vehicle or ethanol +/- LPS to study phagocytosis using pHrodo bioparticles and SIRT2 expression. (A) Representative images of intracellular pHrodo bioparticles in vehicle or Ethanol-exposed WT-BMDM +/- LPS. (B) Fluorescence quantification of pHrodo bioparticles in WT-BMDM (n=4 repetitions/group; \* p<0.05). (C) SIRT2 protein expression detected by western blot in Vehicle- or Ethanol-exposed BMDM cells +/- LPS. (D) Western blot image quantification of SIRT2 protein blot in vehicle or ethanol-exposed BMDM cells +/- LPS (n = 4 blots/group; \* p < 0.05). (E) Representative images of pHrodo bioparticles in Ethanol-exposed WT-BMDM and SIRT2KO-BMDM +/- LPS. (F) Fluorescence quantification of pHrodo bioparticles in Ethanol-exposed WT-BMDM, and SIRT2KO-BMDM +/- LPS. \* p < 0.05. (G) Representative images of pHrodo bioparticles in Ethanol-exposed WT-BMDM, co-treated with SIRT2 inhibitor AK-7 or DMSO +/- LPS. (H) Fluorescence quantification of pHrodo bioparticles in Ethanol-exposed WT-BMDM with AK-7/DMSO +/- LPS stimulation. \* p < 0.05. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36865524>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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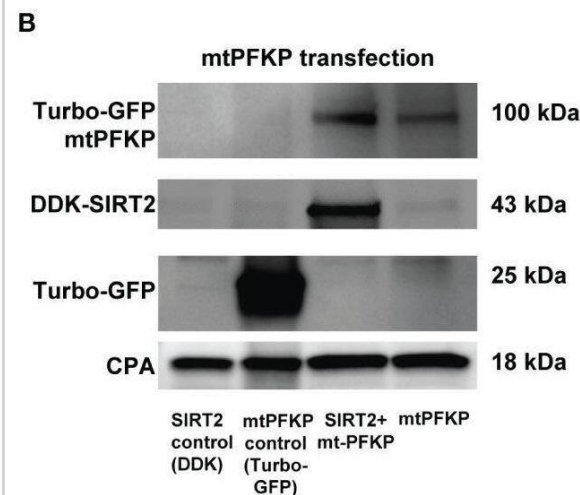


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## FKP in presence of SIRT2



## Publications

Gandhirajan A, Roychowdhury S, Kibler C et al. SIRT2-PFKP interaction dysregulates phagocytosis in macrophages with acute ethanol-exposure *Frontiers in Immunology* 2023-01-27 [PMID: 36865524] (Immunohistochemistry, Rat)

EI-Ebidi AM, Saleem TH, Saadi MGE et al. Cyclophilin A (CyPA) as a Novel Biomarker for Early Detection of Diabetic Nephropathy in an Animal Model *Diabetes Metab Syndr Obes* 2020-10-20 [PMID: 33116728] (IF/IHC, Rat)



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General: novus@novusbio.com

### **Products Related to NBP1-30993**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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