

# Product Datasheet

## Profilin 1 Antibody (CL3524) - BSA Free NBP2-59778

Unit Size: 100 ul

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

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### Publications: 1

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Updated 2/27/2025 v.20.1

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**NBP2-59778**

Profilin 1 Antibody (CL3524) - BSA Free

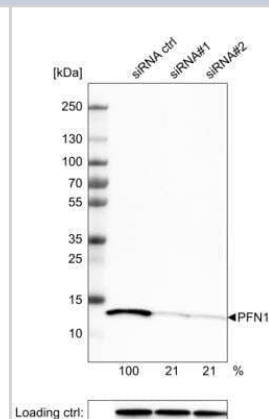
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL3524
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Mouse
Gene ID	5216
Gene Symbol	PFN1
Species	Human
Reactivity Notes	Rat (87%), Mouse (87%).
Immunogen	This antibody was developed using a recombinant protein derived from P07737, with the exact immunogen sequence remaining proprietary.

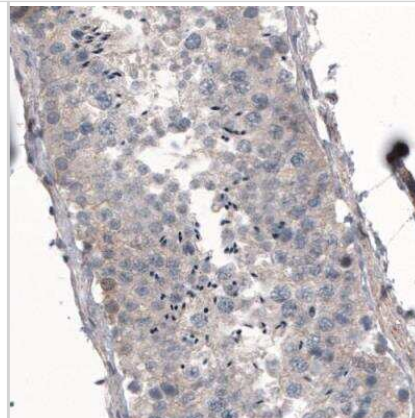
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated, Knockout Validated
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500, Knockout Validated, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

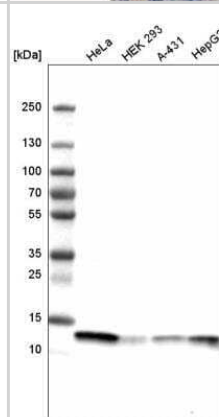
Western Blot: Profilin 1 Antibody (CL3524) [NBP2-59778] - Profilin 1 Antibody (5216) [NBP2-59778] - Analysis of extracts from U-251 cells, transfected with: control siRNA, target specific siRNA probe #1, target specific siRNA probe #2, using Anti-PFN1 monoclonal antibody. Downregulation of antibody signal confirms target specificity. Remaining % intensity, relative control lane, is indicated. Anti-GAPDH monoclonal antibody was used as loading control.



Immunohistochemistry-Paraffin: Profilin 1 Antibody (5216) [NBP2-59778]  
- Staining of human testis shows weak immunoreactivity in basal cells of the seminiferous ducts.



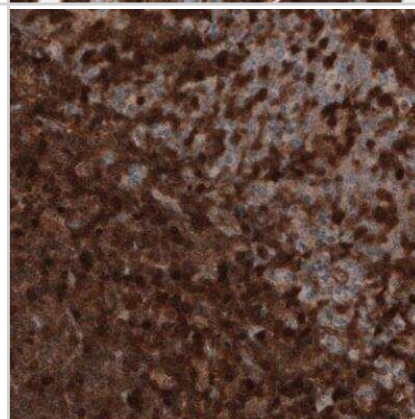
Western Blot: Profilin 1 Antibody (5216) [NBP2-59778] - Analysis in human cell line HeLa, human cell line HEK 293, human cell line A-431 and human cell line HepG2.



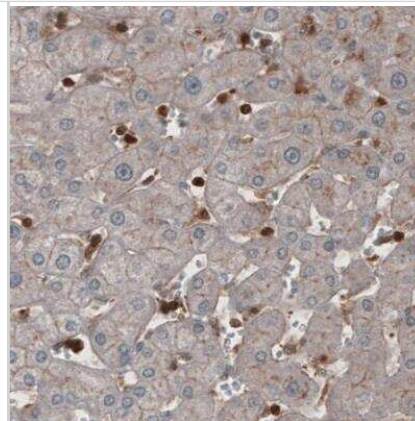
Immunohistochemistry-Paraffin: Profilin 1 Antibody (5216) [NBP2-59778]  
- Staining of human fallopian tube shows cytoplasmic immunoreactivity in epithelial cells.



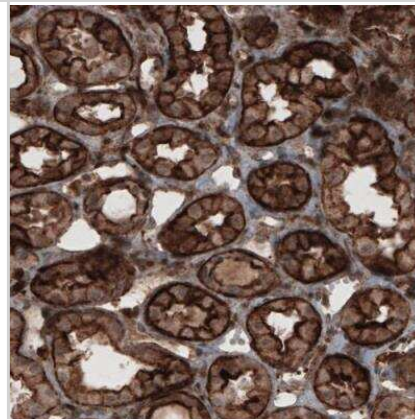
Immunohistochemistry-Paraffin: Profilin 1 Antibody (5216) [NBP2-59778]  
- Staining of human tonsil shows moderate to strong immunoreactivity in lymphoid cells.



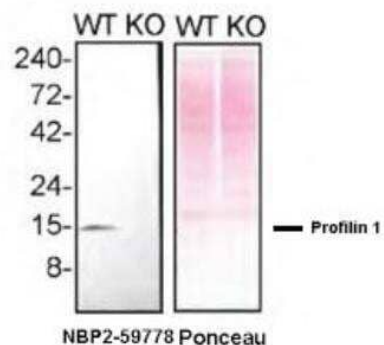
Immunohistochemistry-Paraffin: Profilin 1 Antibody (5216) [NBP2-59778]  
- Staining of human liver shows strong immunoreactivity in circulating lymphoid cells.



Immunohistochemistry-Paraffin: Profilin 1 Antibody (5216) [NBP2-59778]  
- Staining of human kidney shows strong membranous combined with moderate cytoplasmic immunoreactivity in renal tubules.



Western Blot: Profilin 1 Antibody (CL3524) [NBP2-59778] - Lysates of HAP1 WT and PFN1 KO were prepared, and 50 ug of protein were processed for immunoblot with Profilin 1 antibody (NBP2-59778). The Ponceau stained transfer of the blot is shown. Antibody dilution used: NBP2-59778 at 1/1000. Predicted band size: 15 kDa. Image, protocol and testing courtesy of YCharOS Inc. (ycharos.com).



## Publications

Ayoubi, R;McDowell, I;Fotouhi, M;Southern, K;McPherson, PS;Laflamme, C;NeuroSGC/YCharOS/EDDU collaborative group, ;ABIF Consortium, ; The identification of high-performing antibodies for Profilin-1 for use in Western blot, immunoprecipitation and immunofluorescence F1000Research 2023-03-29 [PMID: 37576538]



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### **Products Related to NBP2-59778**

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NBP2-59778PEP	Profilin 1 Recombinant Protein Antigen
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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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