

# Product Datasheet

## POU4F3 Antibody - BSA Free

### NBP1-88349

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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**NBP1-88349**

POU4F3 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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

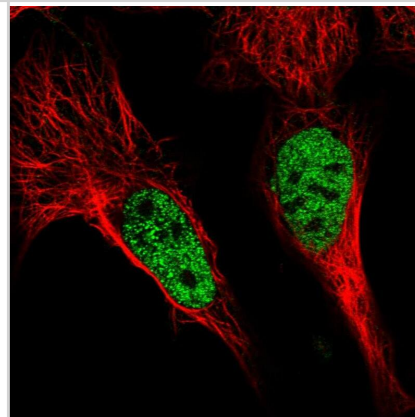
Product Description	
Host	Rabbit
Gene ID	5459
Gene Symbol	POU4F3
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: HQGLEGDLLEHISPTLSVSGLGAPEHSVMPAQIHPHHLGAMGHLHQAMGMSH PHTVAPHSAMPACLSDVESDPR

Product Application Details	
Applications	Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Chromatin Immunoprecipitation 1 - 10µg per reaction, Immunocytochemistry/ Immunofluorescence 0.25 - 2 ug/ml
Application Notes	ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

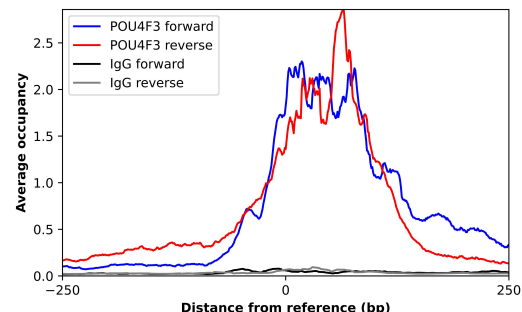


## Images

Staining of human cell line U-2 OS shows localization to nucleoplasm.



ChIP-Exo-Seq composite graph for Anti-POU4F3 (NBP1-88349) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



## Publications

Guangqin Wang, Yunpeng Gu, Zhiyong Liu, Tanya T Whitfield, Kathryn Song Eng Cheah Deciphering the genetic interactions between Pou4f3, Gfi1, and Rbm24 in maintaining mouse cochlear hair cell survival eLife 2024-03-14 [PMID: 38483314]

Wang G, Gu Y, Liu Z Deciphering the genetic interactions between Pou4f3, Gfi1 and Rbm24 in maintaining cochlear hair cell survival bioRxiv 2023-06-22 (IHC-P, Mouse)

Walters B J, Coak E et al. In Vivo Interplay between p27Kip1, GATA3, ATOH1, and POU4F3 Converts Non-sensory Cells to Hair Cells in Adult Mice. Cell Rep 2017-11-04 [PMID: 28402854] (IF/IHC, Mouse)



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### **Products Related to NBP1-88349**

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NBP1-88349PEP	POU4F3 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

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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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