

# Product Datasheet

## OCT1 Antibody NBP2-21584

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP2-21584**

## OCT1 Antibody

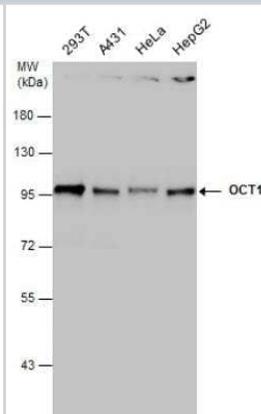
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol, 1% BSA
Target Molecular Weight	76 kDa

Product Description	
Host	Rabbit
Gene ID	5451
Gene Symbol	POU2F1
Species	Human, Rat
Reactivity Notes	Xenopus laevis (81%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human OCT1. The exact sequence is proprietary.

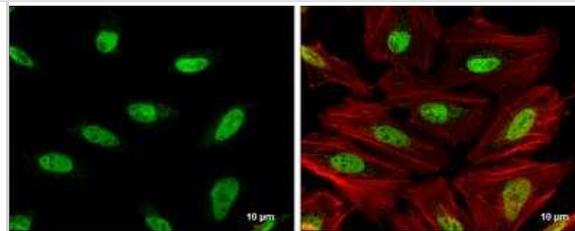
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

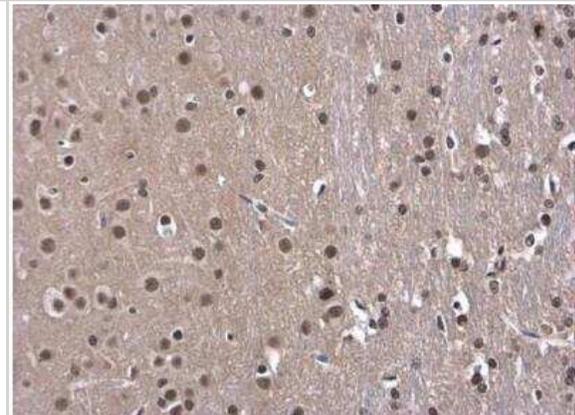
Western Blot: OCT1 Antibody [NBP2-21584] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with OCT1 antibody diluted at 1:1000.



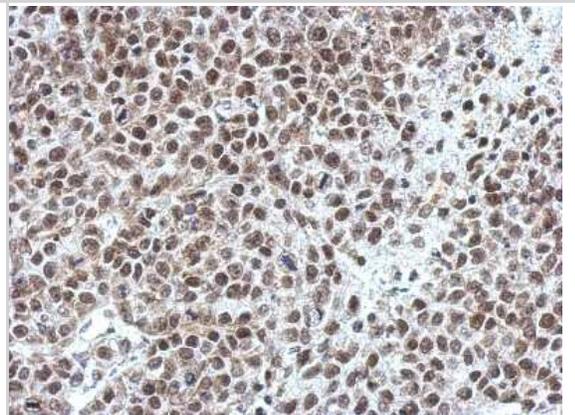
Immunocytochemistry/Immunofluorescence: OCT1 Antibody [NBP2-21584] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: OCT1 protein stained by OCT1 antibody diluted at 1:500. Red: phalloidin, a cytoskeleton marker, stained by () diluted at 1:200. Blue: Hoechst 33342 staining. Scale bar = 10  $\mu$ m.



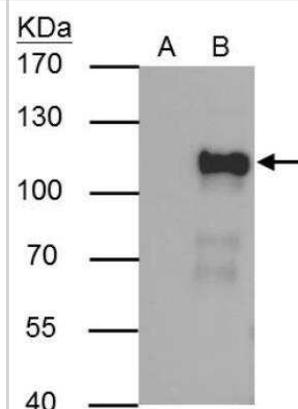
Immunohistochemistry-Paraffin: OCT1 Antibody [NBP2-21584] - Rat brain. OCT1 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



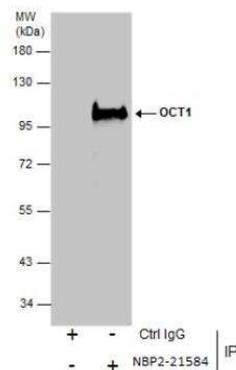
Immunohistochemistry-Paraffin: OCT1 Antibody [NBP2-21584] - Hela xenograft, using OCT1 antibody at 1:750 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



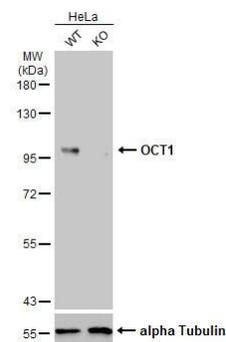
Immunoprecipitation: OCT1 Antibody [NBP2-21584] - 293T whole cell lysate/extract A : Control with 2.5  $\mu$ g of pre-immune rabbit IgG B : Immunoprecipitation of OCT1 by 2.5  $\mu$ g of OCT1 antibody 7.5% SDS-PAGE The immunoprecipitated OCT1 protein was detected by OCT1 antibody diluted at 1 : 1000. EasyBlot anti-rabbit IgG (HRP) was used as a secondary reagent.



**Immunoprecipitation: OCT1 Antibody [NBP2-21584] -**  
 Immunoprecipitation of OCT1 protein from 293T whole cell extracts using 5 ug of OCT1 antibody. Western blot analysis was performed using OCT1 antibody. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



**Western Blot: OCT1 Antibody [NBP2-21584] - Wild-type (WT) and OCT1 knockout (KO) HeLa cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with OCT1 antibody diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.**



## Publications

Perovanovic J, Wu Y, Abewe H et al. Oct1 cooperates with the Smad family of transcription factors to promote mesodermal lineage specification *Science signaling* 2023-04-18 [PMID: 37071732]



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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-56190PEP	OCT1 Recombinant Protein Antigen

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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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