

Product Datasheet

POU3F2/OCT7 Antibody NBP2-21585

Unit Size: 0.1 ml

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

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NBP2-21585**POU3F2/OCT7 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, 1% BSA, 20% Glycerol
Target Molecular Weight	47 kDa

Product Description

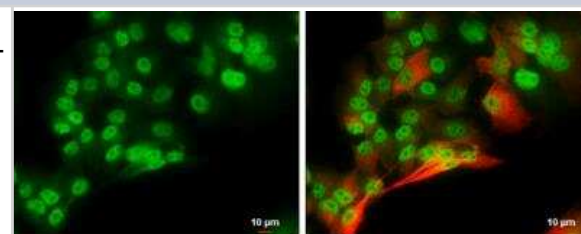
Host	Rabbit
Gene ID	5454
Gene Symbol	POU3F2
Species	Human, Mouse, Rat, Chimpanzee
Immunogen	Recombinant protein encompassing a sequence within the C-terminus region of human POU3F2/OCT7. The exact sequence is proprietary.

Product Application Details

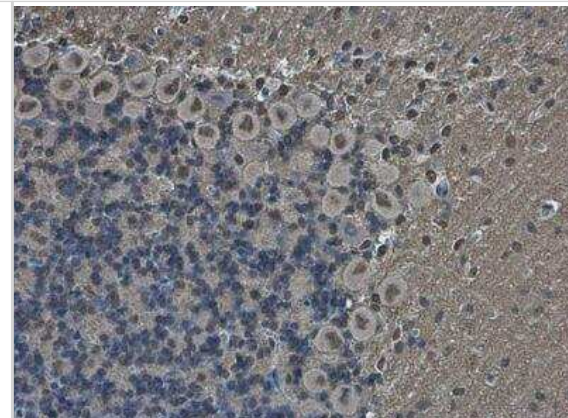
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000, Chromatin Immunoprecipitation (ChIP) Assay-dependent

Images

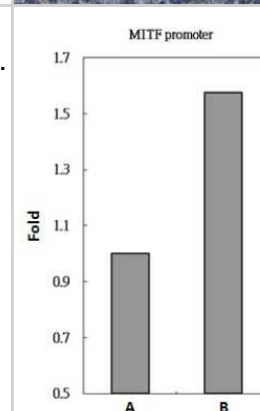
Immunocytochemistry/Immunofluorescence: POU3F2/OCT7 Antibody [NBP2-21585] - SK-N-AS cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Brn2 protein stained by Brn2 antibody diluted at 1:1000. Red: beta Tubulin 3/ Tuj1, a cytoskeleton marker, stained by beta Tubulin 3/ Tuj1 antibody [11710] diluted at 1:500. Scale bar = 10 μ m.



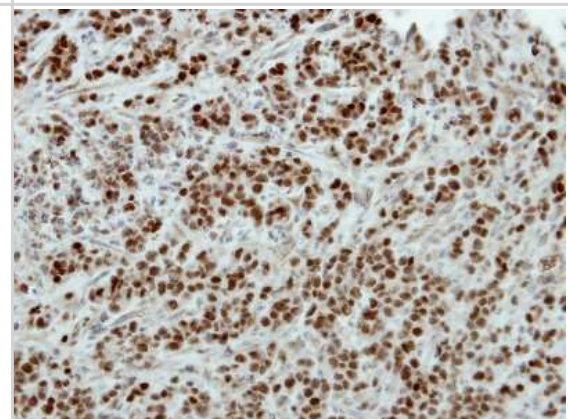
Immunohistochemistry-Paraffin: POU3F2/OCT7 Antibody [NBP2-21585]
 - Rat brain. Brn2 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



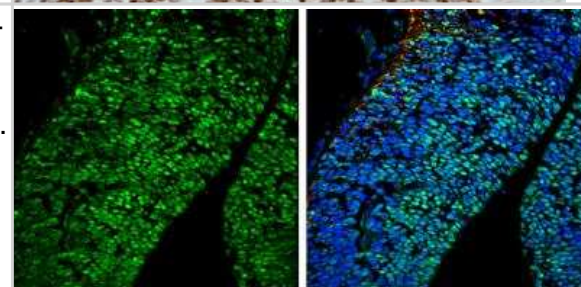
Chromatin Immunoprecipitation: POU3F2/OCT7 Antibody [NBP2-21585]
 - Sample: 293T whole cell lysate/extract A. 5 ug preimmune rabbit IgG B. 5 ug of OCT7 antibody The precipitated DNA was detected by PCR with primer set targeting to MITF promoter.



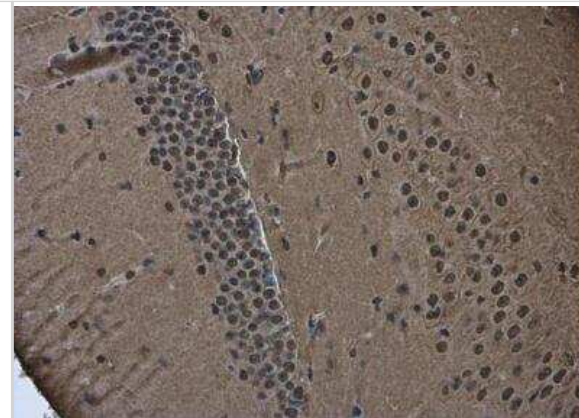
Immunohistochemistry-Paraffin: POU3F2/OCT7 Antibody [NBP2-21585]
 - TOV-21G xenograft, using Brn2 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



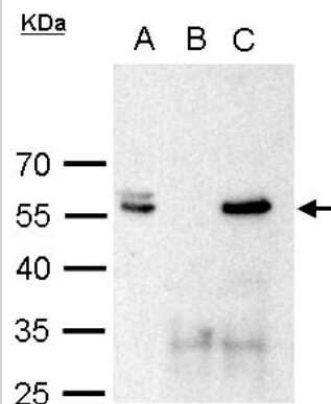
Immunohistochemistry-Frozen: POU3F2/OCT7 Antibody [NBP2-21585] -
 Frozen sectioned E13.5 Rat brain. Green: Brn2 protein stained by Brn2 antibody (diluted at 1:250. Red: beta Tubulin 3/ TUJ1, a mature neuron marker, stained by beta Tubulin 3/ TUJ1 antibody [1710] diluted at 1:500. Blue: Fluoroshield with DAPI.



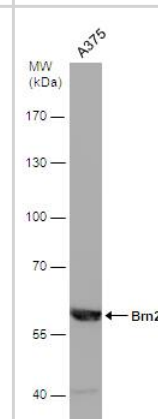
Immunohistochemistry-Paraffin: POU3F2/OCT7 Antibody [NBP2-21585] - Mouse brain. Brn2 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunoprecipitation: POU3F2/OCT7 Antibody [NBP2-21585] - Sample: 1000 ug 293T whole cell lysate/extract A. 50 ug 293T whole cell lysate/extract B. Control with 2 ug of preimmune rabbit IgG C. Immunoprecipitation of OCT7 protein by 2 ug of Brn2 antibody 10% SDS-PAGE The immunoprecipitated OCT7 protein was detected by OCT7. antibody diluted at 1:1000. anti-rabbit IgG was used as a secondary reagent.



Western Blot: POU3F2/OCT7 Antibody [NBP2-21585] - Whole cell extract (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with POU3F2/OCT7 antibody (NBP2-21585) diluted at 1:1000.



Publications

Tat L, Cannizzaro N, Schaaf Z et al. Prenatal folic acid and vitamin B12 imbalance alter neuronal morphology and synaptic density in the mouse neocortex Communications biology 2023-11-08 [PMID: 37938221] (ICC/IF, Mouse)



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Products Related to NBP2-21585

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00005454-P01-10ug	Recombinant Human POU3F2/OCT7 GST (N-Term) Protein

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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