

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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Publications: 2

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NBP2-21585**POU3F2/OCT7 Antibody**

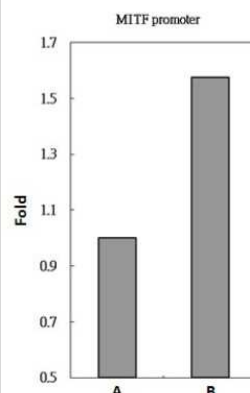
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	47 kDa

Product Description	
Description	Novus Biologicals Rabbit POU3F2/OCT7 Antibody (NBP2-21585) is a polyclonal antibody validated for use in IHC, WB, ICC/IF, IP and ChIP. Anti-POU3F2/OCT7 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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.

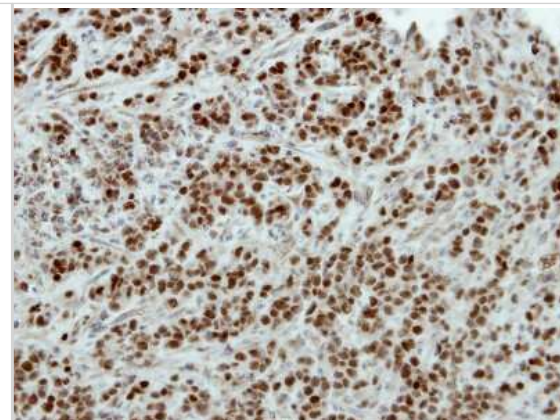
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 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

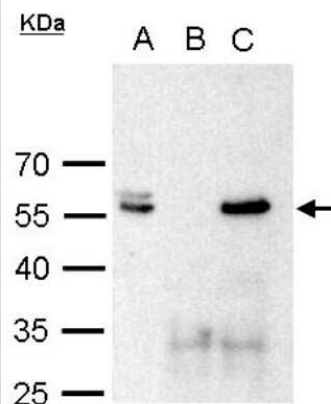
Chromatin Immunoprecipitation: POU3F2/OCT7 Antibody [NBP2-21585]
 - Sample: 293T whole cell lysate/extract A. 5 ug preimmune rabbit IgG B. 5 ug of OCT7 antibody The precipitated DNA was detected by PCR with primer set targeting to MITF promoter.



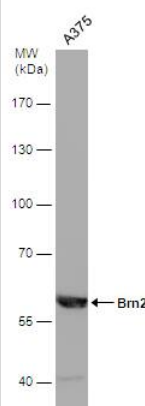
Immunohistochemistry-Paraffin: POU3F2/OCT7 Antibody [NBP2-21585] - TOV-21G xenograft, using Brn2 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



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.



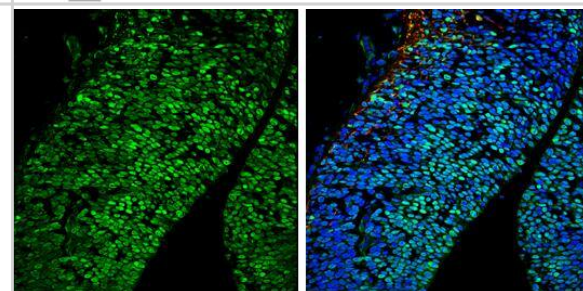
Brn2 antibody detects Brn2 protein expression at nucleus by immunohistochemical analysis.

Sample: Frozen sectioned E13.5 Rat brain.

Green: Brn2 protein stained by Brn2 antibody (NBP2-21585) diluted at 1:250.

Red: beta Tubulin 3/ TUJ1, a mature neuron marker, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] diluted at 1:500.

Blue: Fluoroshield with DAPI .

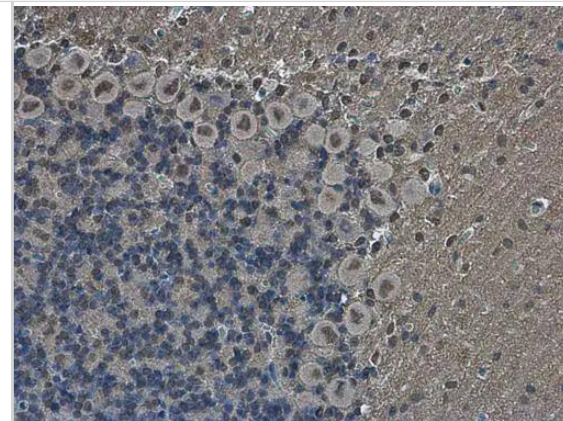


Brn2 antibody detects Brn2 protein at nucleus in rat brain by immunohistochemical analysis.

Sample: Paraffin-embedded rat brain.

Brn2 antibody (NBP2-21585) diluted at 1:500.

br>Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



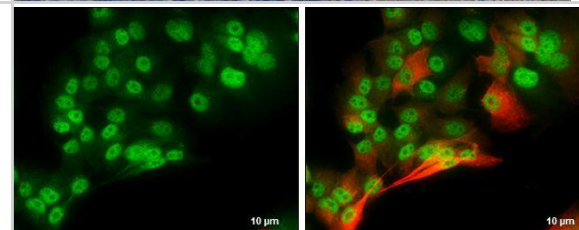
Brn2 antibody detects Brn2 protein at nucleus by immunofluorescent analysis.

Sample: SK-N-AS cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: Brn2 protein stained by Brn2 antibody (NBP2-21585) diluted at 1:1000.

Red: beta Tubulin 3/ Tuj1 stained by beta Tubulin 3/ Tuj1 antibody [GT11710] diluted at 1:500.

Scale bar = 10 um.

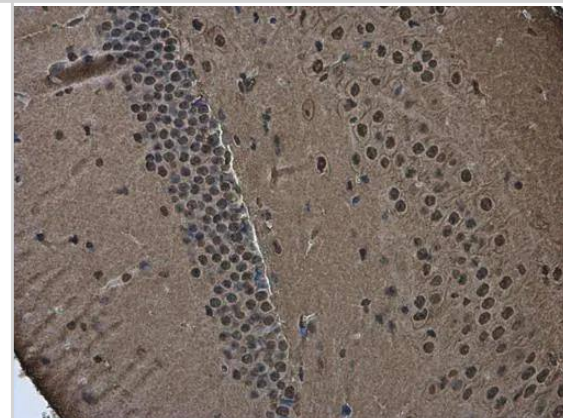


Brn2 antibody detects Brn2 protein at nucleus in mouse brain by immunohistochemical analysis.

Sample: Paraffin-embedded mouse brain.

Brn2 antibody (NBP2-21585) diluted at 1:500.

br>Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Publications

Emanuele P, Emre A, Konstantin B et al. Cholesterol deprivation drives DHEA biosynthesis in human adrenals. *Endocrinology*. 2022-05-18 [PMID: 35583599]

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

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

Limitations

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