

Product Datasheet

Pluripotent Stem Cell Transcription Factor Antibody Pack NBP1-42823

Unit Size: 4 Vials

Store at 4C. Do not freeze.

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NBP1-42823**Pluripotent Stem Cell Transcription Factor Antibody Pack**

Product Information	
Unit Size	4 Vials
Concentration	Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified

Product Description	
Description	This pack contains 1 vial of each: NB100-2379 (0.1 mL), NB110-37235 (0.1 mL), and NB100-58842 (0.1 mL).
Species	Human, Mouse, Rat
Reactivity Notes	See individual datasheets of components for their validated species
Specificity/Sensitivity	NB100-58842 is specific for mouse Nanog protein. NB100-2379-OCT4 - Embryonic Stem Cell Marker NB110-37235 - SOX2 - Embryonic Stem Cell Marker
Immunogen	See individual datasheets.
Kit Components	NB100-58842: Nanog Antibody, NB110-37235: SOX2 Antibody - BSA Free, HAF008: Goat anti-Rabbit IgG Secondary Antibody [HRP], NB100-2379: OCT4 Antibody - BSA Free

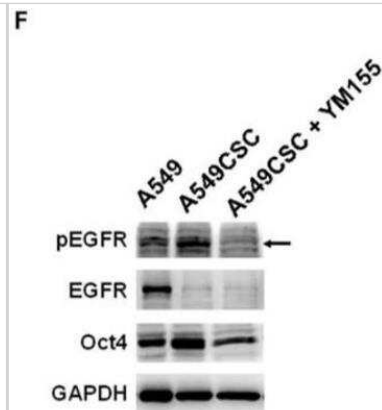
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	See individual datasheets of components for their validated applications

Images

Immunocytochemistry/Immunofluorescence: Pluripotent Stem Cell Transcription Factor Antibody Pack [NBP1-42823] - The stem cell marker (Nanog) staining of iPS-BP cells. Nuclei were stained with DAPI (blue). Image collected and cropped by CiteAb from the following publication ([//doi.org/10.1371/journal.pone.0044024](https://doi.org/10.1371/journal.pone.0044024)) licensed under a CC-BY license.



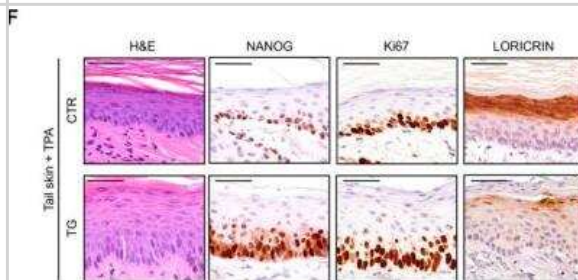
Pluripotent Stem Cell Transcription Factor Antibody Pack [NBP1-42823] - YM155 significantly reduced tumorsphere formation and inhibited EGFR autophosphorylation and G9a expression. YM155 is reported to suppress cancer stemness; therefore, we used this compound to investigate the cellular mechanism of tumorsphere formation. To compare the cytotoxic capacity of YM155 against tumorsphere formation and parental cell lines, YM155 was applied to HCC827 and A549 cells in the stemness cultured or integrated medium. (F) Moreover, YM155 inhibited EGFR autophosphorylation in A549-derived tumorspheres and reduced Oct4 expression. Image collected and cropped by CiteAb from the following publication ([//doi.org/10.1371/journal.pone.0182149](https://doi.org/10.1371/journal.pone.0182149)) licensed under a CC-BY license. OCT4 Antibody [NB100-2379]



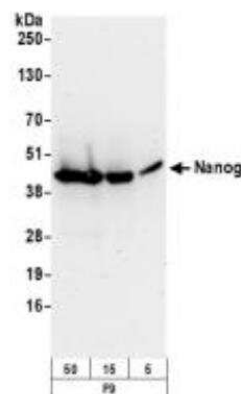
Western Blot: Pluripotent Stem Cell Transcription Factor Antibody Pack [NBP1-42823] - Detection of SOX2 in mouse brain lysate using NB110-37235 (0.5ug/ml).



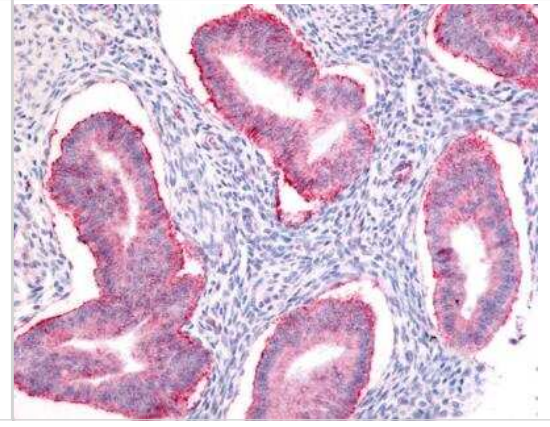
Immunohistochemistry: Pluripotent Stem Cell Transcription Factor Antibody Pack [NBP1-42823] - Nanog-inducible mouse model. Representative hematoxylin and eosin (H&E) staining and immunohistochemistry (IHC) for NANOG, Ki67 and LORICRIN of TPA-treated CTR and TG mice (bars correspond to 50 um). Statistical significance was determined by the two-tailed Student's t test: (*) $p < 0.05$; (**) $p < 0.01$. Image collected and cropped by CiteAb from the following publication ([//www.nature.com/articles/srep10205](https://www.nature.com/articles/srep10205)), licensed under a CC-BY license. Nanog Antibody [NB100-58842]



Western Blot: Pluripotent Stem Cell Transcription Factor Antibody Pack [NBP1-42823] - Whole cell lysate (5, 15, and 50 ug) from F9 cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Nanog antibody used for WB at 0.5 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds



Immunohistochemistry: Pluripotent Stem Cell Transcription Factor Antibody Pack [NBP1-42823] - SOX2 staining (NB110-37235) of human uterus, endometrial glands.



Publications

Zhang C, Zhi WI, Lu H et al. Hypoxia-inducible factors regulate pluripotency factor expression by ZNF217- and ALKBH5-mediated modulation of RNA methylation in breast cancer cells. *Oncotarget*. 2016-08-31 [PMID: 27590511] (WB, Human)



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Antibody Packs are guaranteed for 1 year from date of receipt.

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