Product Datasheet

Nuclear Antigen Antibody (235-1) NBP2-34342-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-34342-0.1mg

Nuclear Antigen Antibody (235-1)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	235-1
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34525) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Species	Human, Porcine, Primate
Reactivity Notes	Use in Porcine reported in scientific literature (PMID:35327471).Does not react with Mouse, Rat and Chicken.
Marker	Human Cell Marker
Specificity/Sensitivity	This monoclonal antibody is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells. It is a part of a new panel of reagents, which recognizes subcellular organelles or compartments of human cells. These markers may be useful in identification of these organelles in cells, tissues, and biochemical preparations. monoclonal antibody 235-1 recognizes an antigen associated with the nuclei in human cells. It can be used to stain the nuclei in cell or tissue preparations and can be used as a nuclear marker in subcellular fractions. It produces a speckled pattern in normal and malignant cells and may be used to stain the nuclei of cells in fixed or frozen tissue sections. It can also be used with paraformaldehyde fixed frozen tissue or cell preparations.
Immunogen	Nuclei of human myeloid leukemia biopsy cells
Product Application Details	
Applications	Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunoprecipitation 1000-2000 ug/500 ug protein lysate, Immunohistochemistry-Frozen, Flow (Intracellular)
Application Notes	Immunocytochemistry (Acetone-fixed cells): 1-2ug/ml for 30 minutes at RT. Immunohistochemistry (Frozen): 1-2ug/ml for 30 minutes at RT. Optimal dilution for a specific application should be determined







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(red).



Flow Cytometry: Nuclear Antigen Antibody (235-1) [NBP2-34342] - Flow Cytometric Analysis of PFA-fixed K562 cells with Nuclear Antigen Mouse Monoclonal Antibody (235-1) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Publications

Mazuelas H, MagallOn-Lorenz M, FernAndez-RodrIguez J et al. Modeling iPSC-derived human neurofibroma-like tumors in mice uncovers the heterogeneity of Schwann cells within plexiform neurofibromas Cell reports 2022-02-15 [PMID: 35172160]

Vrathasha V, Nikonov S, Bell B et al. Transplanted human induced pluripotent stem cells- derived retinal ganglion cells embed within mouse retinas and are electrophysiologically functional iScience 2022-10-01 [PMID: 36388952]

Ashraf M, Tipparaju SM, Kim JW, Xuan W Chemokine/ITGA4 Interaction Directs iPSC-Derived Myogenic Progenitor Migration to Injury Sites in Aging Muscle for Regeneration Cells 2023-07-12 [PMID: 37508502] (ICC/IF, Mouse)

Lytvynchuk L, Ebbert A, Studenovska H et al. Subretinal Implantation of Human Primary RPE Cells Cultured on Nanofibrous Membranes in Minipigs Biomedicines 2022-03-14 [PMID: 35327471] (IF/IHC, Porcine)

Delgado RN, Allen DE, Keefe MG et al. Individual human cortical progenitors can produce excitatory and inhibitory neurons Nature 2021-12-15 [PMID: 34912114]

Mahlokozera T, Patel B, Chen H Et al. Competitive binding of E3 ligases TRIM26 and WWP2 controls SOX2 in glioblastoma Nature communications 2021-11-03 [PMID: 34732716] (ICC/IF, Human)

Khan M, Ashraf M Human iPS Cells Derived Skeletal Muscle Progenitor Cells Promote Myoangiogenesis and Restore Dystrophin in Duchenne Muscular Dystrophic Mice Stem Cell Res Ther 2021-02-13 [PMID: 33579366] (IHC-Fr, Human)

Salazar-Roa M, Trakala M, Alvarez-FernAndez M et al. Transient exposure to miR-203 enhances the differentiation capacity of established pluripotent stem cells EMBO J. 2020-07-02 [PMID: 32614092] (ICC/IF)

Paudyal A, Ghinea FS, Driga MP et al. p5 Peptide-Loaded Human Adipose-Derived Mesenchymal Stem Cells Promote Neurological Recovery After Focal Cerebral Ischemia in a Rat Model Transl Stroke Res May 6 2020 12:00AM [PMID: 32378028] (IHC-Fr, Rat)

Ding Y, Johnson R, Sharma S et al. Tethering transforming growth factor beta 1 to soft hydrogels guides vascular smooth muscle commitment from human mesenchymal stem cells Acta Biomater 2020-01-23 [PMID: 31982589] (ICC/IF, Human)

Salazar-Roa M, Trakala M, Alvarez-Fernandez M A novel microRNA-based strategy to expand the differentiation potency of stem cells bioRxiv (ICC/IF, Human)

Martyn I, Kanno TY, Brivanlou AH, Chick Models and Human-Chick Organizer Grafts Methods Mol Chick Models and Human-Chick Organizer Grafts. Methods Mol Biol. 2019-01-01 [PMID: 31175647]

Details:

Citation using the Azide and BSA Free version of this antibody.

More publications at http://www.novusbio.com/NBP2-34342





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Products Related to NBP2-34342-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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