

Product Datasheet

Furin Antibody NB100-1903

Unit Size: 100 uL

Store at -20C. Avoid freeze-thaw cycles.

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NB100-1903

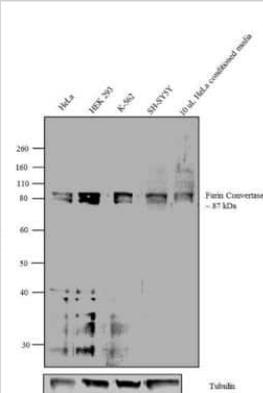
Furin Antibody

Product Information	
Unit Size	100 uL
Concentration	2 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS with 1 mg/ml BSA
Product Description	
Host	Rabbit
Gene ID	5045
Gene Symbol	FURIN
Species	Human, Mouse, Rat, Porcine, Canine, Hamster, Primate
Reactivity Notes	Hamster reactivity reported in scientific literature (PMID: 16030016). Porcine reactivity reported in scientific literature (PMID: 14581457). Rat reactivity reported in scientific literature (PMID: 11696560). Primate reactivity reported in scientific literature (PMID: 11799113).
Marker	TGN Marker
Specificity/Sensitivity	Detects Furin convertase from canine and mouse cells as well as transfected human Furin. This does not detect endogenous Furin from BSC-40, HeLa, J774A.1 BPAEC, or CHO cells nor from rat skeletal muscle, spleen, kidney, ovary, testes, heart, or brain tissues.
Immunogen	Synthetic peptide corresponding to residues R(780) G E R T A F I K D Q S A L (793) of human Furin.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Block/Neutralize
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 3 - 5 ug, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunoprecipitation 1:100, Immunohistochemistry-Paraffin 1:10 - 1:500, Block/Neutralize
Application Notes	Blocking usage was reported in scientific literature (PMID: 11741999).

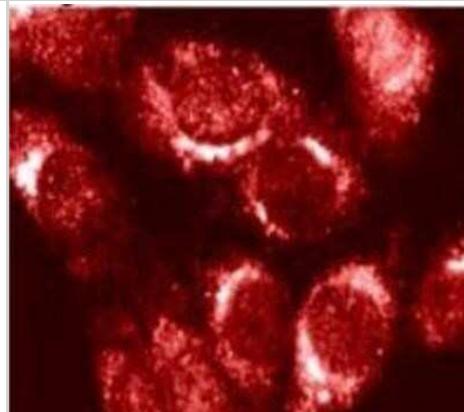


Images

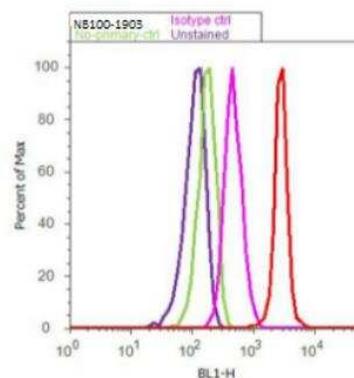
Western Blot: Furin Antibody [NB100-1903] - Analysis was performed on membrane enriched extracts (30 ug lysate) of HeLa (Lane 1), HEK 293 (Lane 2), K-562 (Lane 3), SH-SY5Y (Lane 4) and 10uL conditioned media from HeLa cell line (Lane 5).



Immunocytochemistry/Immunofluorescence: Furin Antibody [NB100-1903] - Immunolocalization of endogenous furin in mouse 3T3 cells.



Flow Cytometry: Furin Antibody [NB100-1903] - Flow cytometry analysis of Furin Convertase was done on HeLa cells. Cells were fixed with 70% ethanol for 10 minutes, permeabilized with 0.25% Triton (R) X-100 for 20 minutes, and blocked with 5% BSA for 30 minutes at room temperature. Cells were labeled with Furin Convertase Rabbit Polyclonal Antibody or with rabbit isotype control (pink histogram) at 3-5 ug/million cells in 2.5% BSA. After incubation at room temperature for 2 hours, the cells were labeled with Alexa Fluor (R) 488 Goat Anti-Rabbit Secondary Antibody (A11008) at a dilution of 1:400 for 30 minutes at room temperature. The representative 10, 000 cells were acquired and analyzed for each sample using an Attune (R) Acoustic Focusing Cytometer. The purple histogram represents unstained control cells and the green histogram represents no-primary-antibody control.



Publications

Minjin Jeong, Karen E. Ocwieja, Dongjun Han, P. Ashley Wackym, Yichen Zhang, Alyssa Brown, Cynthia Moncada, Andrea Vambutas, Theodore Kanne, Rachel Crain, Noah Siegel, Valerie Leger, Felipe Santos, D. Bradley Welling, Lee Gehrke, Konstantina M. Stankovic Direct SARS-CoV-2 infection of the human inner ear may underlie COVID-19-associated audiovestibular dysfunction Communications Medicine 2021-10-29 [PMID: 34870285]

Mezger MC, Conzelmann C, Weil T et al. Inhibitors of Activin Receptor-like Kinase 5 Interfere with SARS-CoV-2 S-Protein Processing and Spike-Mediated Cell Fusion via Attenuation of Furin Expression Viruses 2022-06-15 [PMID: 35746781] (WB, Human, Primate)



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Products Related to NB100-1903

NBL1-10860	Furin Overexpression Lysate
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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