

Product Datasheet

CIZ1 Antibody - BSA Free NB100-74624

Unit Size: 100 ul

Store at 4C. Do not freeze.

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Publications: 10

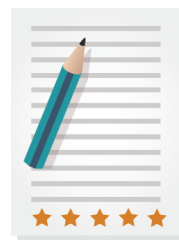
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NB100-74624

CIZ1 Antibody - BSA Free

Product Information

Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description

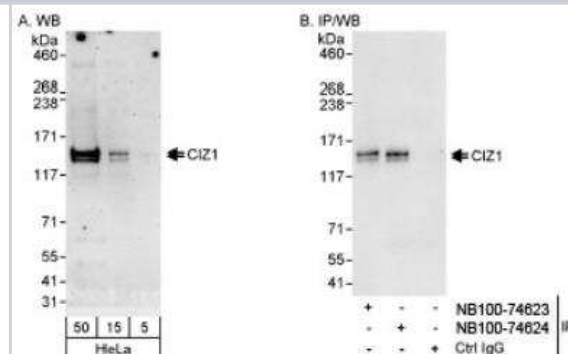
Description	Novus Biologicals Rabbit CIZ1 Antibody - BSA Free (NB100-74624) is a polyclonal antibody validated for use in WB, ICC/IF and IP. Anti-CIZ1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	25792
Gene Symbol	CIZ1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 28546514).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 848 and 898 of human CDKN1A interacting zinc finger protein 1 using the numbering given in entry NP_036259.2 (GeneID 25792).

Product Application Details

Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 2-5 ug/mg lysate
Application Notes	Use in ICC/IF reported in scientific literature (PMID 28546514).

Images

Western Blot: CIZ1 Antibody [NB100-74624] - Detection of Human CIZ1 on HeLa whole cell lysate using NB100-74624. CIZ1 was also immunoprecipitated by rabbit anti-CIZ1 antibody NB100-74623.



Publications

Iris Dror, Tsotne Chitiashvili, Shawn Y X Tan, Clara T Cano, Anna Sahakyan, Yolanda Markaki, Constantinos Chronis, Amanda J Collier, Weixian Deng, Guohao Liang, Yu Sun, Anna Afasizheva, Jarrett Miller, Wen Xiao, Douglas L Black, Fangyuan Ding, Kathrin Plath XIST directly regulates X-linked and autosomal genes in naive human pluripotent cells. Cell 2024-01-08 [PMID: 38181737]

Amy Pandya-Jones, Yolanda Markaki, Jacques Serizay, Tsotne Chitiashvili, Walter Mancina, Andrey Damianov, Costantinos Chronis, Bernadett Papp, Chun-Kan Chen, Robin McKee, Xiao-Jun Wang, Anthony Chau, Shan Sabri, Heinrich Leonhardt, Sika Zheng, Mitchell Guttman, Douglas L. Black, Kathrin Plath A protein assembly mediates Xist localization and gene silencing Nature 2020-06-18 [PMID: 32908311]

Turvey G, de Alba E, Stewart E et al. Dominant CIZ1 fragments drive epigenetic instability and are expressed in early stage cancers bioRxiv 2023-09-22 (ICC/IF, WB)

Details:

ICC/IF Dilution 1:1000, WB dilution 1:100

Markaki Y, Gan Chong J, Wang Y Et al. Xist nucleates local protein gradients to propagate silencing across the X chromosome Cell 2021-11-04 [PMID: 34813726]

Dror I, Chitiashvili T, Sahakyan A XIST controls X chromosome dampening and autosomal genes in early human development Book 2021-01-01

Tan SYX, Dror I, Plath K Characterizing the genome-wide localization of the Xist lncRNA and its effect on gene silencing Book Jan 1 2021 12:00AM

Ogawa A, Ogawa Y A Quick Immuno-FISH Protocol for Detecting RNAs, Proteins, and Chromatin Modifications Methods in molecular biology (Clifton, N.J.) 2021-12-16 [PMID: 33326080]

Markaki Y, Chong J, Luong C et al. Xist-seeded nucleation sites form local concentration gradients of silencing proteins to inactivate the X-chromosome bioRxiv 2020-11-23

Ridings-Figueroa R, Stewart ER, Nesterova TB et al. The nuclear matrix protein CIZ1 facilitates localization of Xist RNA to the inactive X-chromosome territory. Genes Dev. 2017-05-25 [PMID: 28546514] (ICC/IF, Mouse)

Coverley D, Higgins G, West D et al. A quantitative immunoassay for lung cancer biomarker CIZ1b in patient plasma. Clin. Biochem. 2016-11-17 [PMID: 27867087] (WB)





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Products Related to NB100-74624

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-33890PEP	CIZ1 Recombinant Protein Antigen

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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