

Product Datasheet

Importin-7 Antibody **NB100-1081**

Unit Size: 0.1 mg

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

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NB100-1081

Importin-7 Antibody

Product Information

Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description

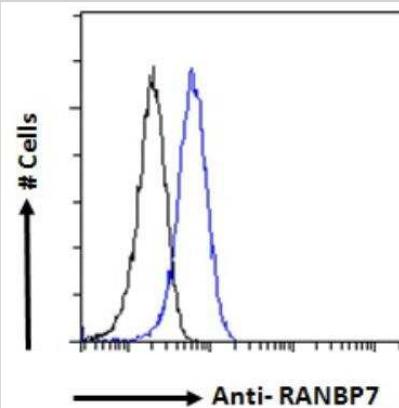
Host	Goat
Gene ID	10527
Gene Symbol	IPO7
Species	Human
Immunogen	Peptide with sequence C-SSFNFGGPAPGMN corresponding to C-Terminus according to NP_006382.1.

Product Application Details

Applications	Flow Cytometry, Peptide ELISA, Knockdown Validated
Recommended Dilutions	Flow Cytometry 10 ug/mL, Peptide ELISA Detection limit 1:4000, Knockdown Validated
Application Notes	WB: Approx. 120 kDa band observed in A431, Daudi and HeLa lysates (calculated MW of 120 kDa band according to NP_006382.1). An additional band of unknown identity was also consistently observed at 26-28 kDa. This band was successfully blocked by incubation with the immunizing peptide.

Images

Flow Cytometry: Importin-7 Antibody [NB100-1081] - Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Publications

Nataraj NB, Noronha A, Lee JS et al. Nucleoporin-93 reveals a common feature of aggressive breast cancers: robust nucleocytoplasmic transport of transcription factors Cell reports 2022-02-22 [PMID: 35196484]

nataraj N, Noronha A, Sang Lee J et al. Nucleoporin-93 Overcomes Multiple Nucleocytoplasmic Trafficking Bottlenecks and Permits Robust Metastasis SSRN Electronic Journal 2021-03-31

Braun DA, Sadowski CE, Kohl S et al. Mutations in nuclear pore genes NUP93, NUP205 and XPO5 cause steroid-resistant nephrotic syndrome. Nat Genet 2016-04-01 [PMID: 26878725]

Gorlich D, Dabrowski M, Bischoff FR et al. A novel class of RanGTP binding proteins. J Cell Biol 1997-07-14 [PMID: 9214382]

Saijou E, Itoh T, Kim KW et al. Nucleocytoplasmic shuttling of the zinc finger protein EZI Is mediated by importin-7-dependent nuclear import and CRM1-independent export mechanisms. J Biol Chem. 2007-11-02 [PMID: 17848547]



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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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