

Product Datasheet

NUP50 Antibody NB100-1212

Unit Size: 0.1 mg

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

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NB100-1212**NUP50 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

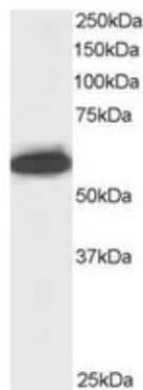
Product Description	
Description	Novus Biologicals Goat NUP50 Antibody (NB100-1212) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-NUP50 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	10762
Gene Symbol	NUP50
Species	Human
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms (NP_009103.2; NP_705931.1).
Immunogen	Peptide with sequence C-ELHKILLEKKDA corresponding to C-Terminus according to NP_009103.2, NP_705931.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.2 - 1 ug/ml, Immunohistochemistry 2.5 - 3.8 ug/ml, Immunohistochemistry-Paraffin 2.5 - 3.8 ug/ml, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Approx. 60 kDa band observed in Jurkat lysates (calculated MW 50.1 kDa band according to NP_009103.2). IHC-P: Human uterus shows textured nuclear staining of endometrial cells.



Images

Western Blot: NUP50 Antibody [NB100-1212] - Staining (0.5ug/ml) of Jurkat lysate (RIPA buffer, 30ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Immunohistochemistry-Paraffin: NUP50 Antibody [NB100-1212] - 3.8ug/ml staining of Human Uterus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Publications

Lindsay ME, Plafker K, Smith AE et al. Npap60/Nup50 is a tri-stable switch that stimulates importin- α : β -mediated nuclear protein import. *Cell* 2002-08-09 [PMID: 12176322]

Shitashige M, Satow R, Honda K et al. Regulation of Wnt signaling by the nuclear pore complex. *Gastroenterology*. 2008-06-01 [PMID: 18439914] (WB)

Details:

WB (HCT-116 and DLD1) colon carcinoma cells (Fig 1A, Supplementary Table S1). The IMG-3549 antibody was used in IP/WB where a TCF-4 antibody was used for IP and IMG-3549 was used for WB. The results showed that Npap60/Nup50 co-immunoprecipitated with TCF-

Doufexis M, Storr HL, King PJ, Clark AJ. Interaction of the melanocortin 2 receptor with nucleoporin 50: evidence for a novel pathway between a G-protein-coupled receptor and the nucleus. *FASEB J*;21(14):4095-100. 2007-12-01 [PMID: 17625072]

Ivorra C, Kubicek M, Gonzalez JM, Sanz-Gonzalez SM, Alvarez-Barrientos A, O'Connor JE, Burke B, Andres V. A mechanism of AP-1 suppression through interaction of c-Fos with lamin A/C. *Genes Dev*;20(3):307-20. 2006-02-01 [PMID: 16452503]

Gonzalez JM, Navarro-Puche A, Casar B, Crespo P, Andres V. Fast regulation of AP-1 activity through interaction of lamin A/C, ERK1/2, and c-Fos at the nuclear envelope. *J Cell Biol*;183(4):653-66. 2008-11-17 [PMID: 19015316]



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Products Related to NB100-1212

NB800-PC2	Jurkat Whole Cell Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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