

# Product Datasheet

## hHpr1-p84-Thoc1 Antibody (5E10) - Azide and BSA Free NB100-174

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB100-174**

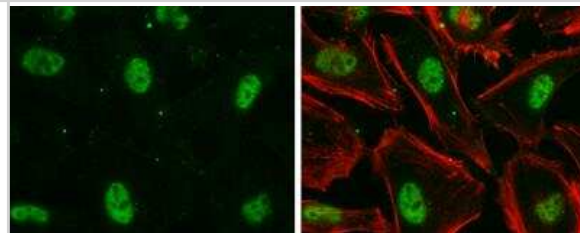
hHpr1-p84-Thoc1 Antibody (5E10) - Azide and BSA Free

Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5E10
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS, 20% Glycerol (pH7)
Target Molecular Weight	84 kDa
Product Description	
Description	Novus Biologicals Mouse hHpr1-p84-Thoc1 Antibody (5E10) - Azide and BSA Free (NB100-174) is a monoclonal antibody validated for use in IHC, WB, ICC/IF, Simple Western, IP and ChIP. Anti-hHpr1-p84-Thoc1 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	9984
Gene Symbol	THOC1
Species	Human, Mouse, Rat, Hamster, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	This is specific for p84.
Immunogen	Amino acids 15-374 of human p84 expressed in E. coli.
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 0.3 - 2 ug/ml, Simple Western, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 0.5 - 2 ug/ml, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: separated by Size

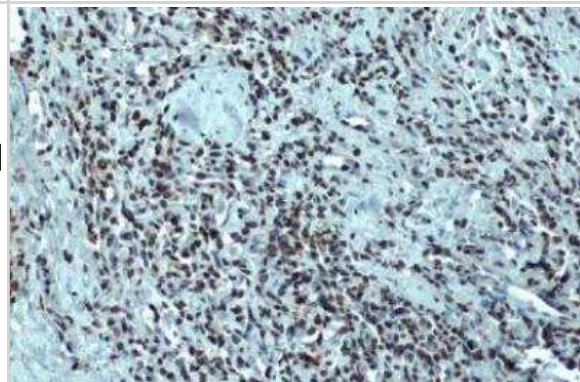


## Images

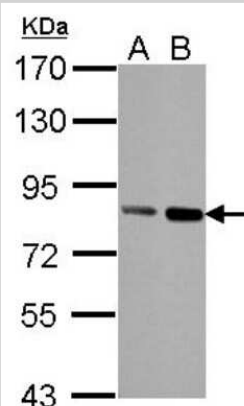
Immunocytochemistry/Immunofluorescence: hHpr1-p84-Thoc1 Antibody (5E10) [NB100-174] - Nuclear Matrix Protein p84 antibody [5E10] detects Nuclear Matrix Protein p84 protein at nucleus by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Nuclear Matrix Protein p84 stained by Nuclear Matrix Protein p84 antibody [5E10] diluted at 1:500. Red: phalloidin, a cytoskeleton marker, diluted at 1:100.



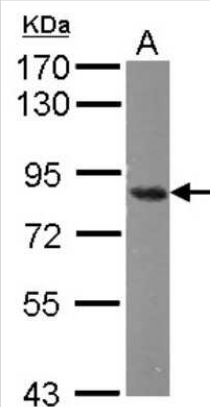
Immunohistochemistry-Paraffin: hHpr1-p84-Thoc1 Antibody (5E10) [NB100-174] - Nuclear Matrix Protein p84 antibody [5E10] detects Nuclear Matrix Protein p84 protein at nucleus by immunohistochemical analysis. Sample: Paraffin-embedded human lung cancer. Nuclear Matrix Protein p84 stained by Nuclear Matrix Protein p84 antibody [5E10] diluted at 1:100. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



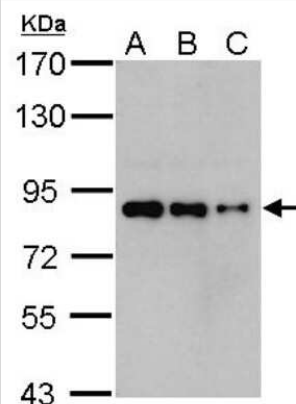
Western Blot: hHpr1-p84-Thoc1 Antibody (5E10) [NB100-174] - Sample (30 ug of whole cell lysate) A: HeLa B: HeLa nucleus 7. 5% SDS PAGE; antibody diluted at 1:1000.



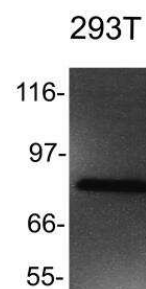
Western Blot: hHpr1-p84-Thoc1 Antibody (5E10) [NB100-174] - Sample (50 ug of whole cell lysate) A: mouse Cerebellum 7. 5% SDS PAGE; antibody diluted at 1:1000.



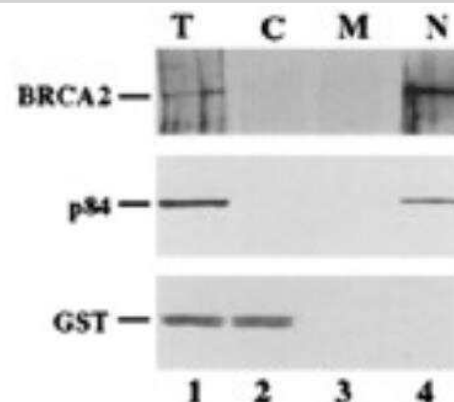
Western Blot: hHpr1-p84-Thoc1 Antibody (5E10) [NB100-174] - Sample (whole cell lysate) A: 293T 20ug B: 293T 10ug C: 293T 5ug 7.5% SDS PAGE; antibody diluted at 1:1000.



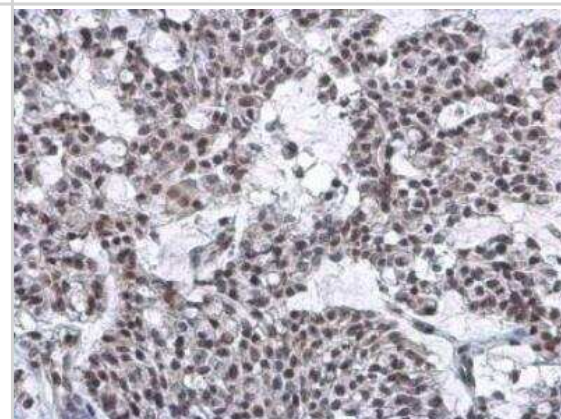
Western Blot: hHpr1-p84-Thoc1 Antibody (5E10) [NB100-174] - p84 western in 293T cells. Image from verified customer review.



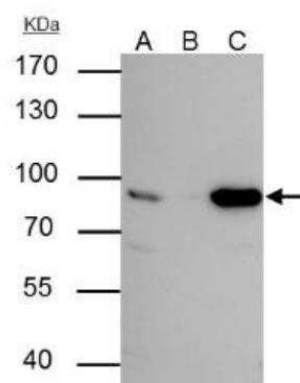
Western Blot: hHpr1-p84-Thoc1 Antibody (5E10) [NB100-174] - Lane 1: total lysate, Lane 2: cytoplasmic fraction, Lane 3: membrane fraction, Lane 4: nuclear fraction.



Immunohistochemistry-Paraffin: hHpr1-p84-Thoc1 Antibody (5E10) [NB100-174] - hHpr1-p84-Thoc1 antibody [5E10] detects Nuclear Matrix Protein p84 protein at nucleus by immunohistochemical analysis. Sample: Paraffin-embedded human breast carcinoma. Nuclear Matrix Protein p84 stained by hHpr1-p84-Thoc1 antibody [5E10] (NB100-174). Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Immunoprecipitation: hHpr1-p84-Thoc1 Antibody (5E10) [NB100-174] - hHpr1-p84-Thoc1 antibody [5E10] immunoprecipitates p84 protein in IP experiments. IP Sample: HepG2 whole cell lysate/extract A : 30 ug whole cell lysate/extract of p84 protein expressing HepG2 cells B : Control with 3 ug of pre-immune mouse IgG C : Immunoprecipitation of p84 by 3 ug of p84 antibody [5E10] (NB100-174) 7.5% SDS-PAGE The immunoprecipitated p84 protein was detected by p84 antibody [5E10] (NB100-174). EasyBlot anti-rabbit IgG (HRP) was used as a secondary reagent.



## Publications

Maeder CI, Kim JI, Liang X et al. The THO Complex Coordinates Transcripts for Synapse Development and Dopamine Neuron Survival Cell 2018-08-21 [PMID: 30146163] (IP, Mouse)

Chen YJ, Tsai CH, Wang PY, Teng, SC. SMYD3 Promotes Homologous Recombination via Regulation of H3K4-mediated Gene Expression. Sci Rep. 2017-06-19 [PMID: 28630472] (WB, Human)

Lopitz-Otsoa F, Rodriguez-Suarez E, Aillet F et al. Integrative analysis of the ubiquitin proteome isolated using Tandem Ubiquitin Binding Entities (TUBEs). J Proteomics 2012-06-06 [PMID: 22178446] (WB, Human)

Wong CW, Hou PS, Tseng SF et al. Kruppel-like transcription factor 4 contributes to maintenance of telomerase activity in stem cells. Stem Cells 2010-09-01 [PMID: 20629177] (WB, Human)

Bounpheng MA, Melnikova IN, Dodds SG et al. Characterization of the mouse JAB1 cDNA and protein. Gene 2000-01-01 [PMID: 10721695]

Hsu WB, Shih JL, Shih JR et al. Cellular Protein HAX1 Interacts with the Influenza A Virus PA Polymerase Subunit and Impedes Its Nuclear Translocation J Virol 2013-01-01 [PMID: 23055567] (WB, Human)

Guo, S et al. Linking Transcriptional Elongation Messenger RNA Export to Metastatic Breast Cancers. Cancer Res 2005; 65: (8). 2005-01-01 [PMID: 15833825]



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### **Products Related to NB100-174**

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NBL1-16887	hHpr1-p84-Thoc1 Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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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