

# Product Datasheet

## ZCCHC11/TUT4 Antibody NB100-783

Unit Size: 0.1 mg

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

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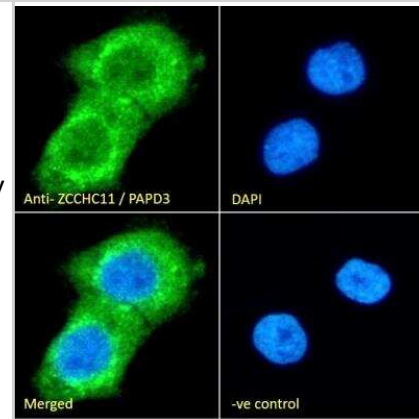
**NB100-783****ZCCHC11/TUT4 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	23318
<b>Gene Symbol</b>	TUT4
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This antibody is expected to recognize all 3 reported isoforms (as represented by NP_001009881.1; NP_056084.1; NP_001009882.1)
<b>Immunogen</b>	Peptide with sequence RERCPHPPRGNVSE corresponding to C-Terminus according to NP_001009881.1, NP_056084.1, NP_001009882.1.
<b>Product Application Details</b>	
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
<b>Recommended Dilutions</b>	Immunohistochemistry 2 - 6 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 2 - 6 ug/mL, Peptide ELISA Detection limit 1:16000
<b>Application Notes</b>	IHC-P: Human Lymph Node shows nuclear staining of select lymphocytes and staining of macrophages.

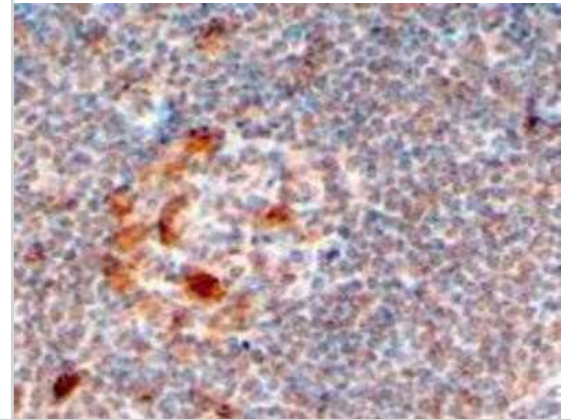


## Images

Immunocytochemistry/Immunofluorescence: ZCCHC11/TUT4 Antibody [NB100-783] - Analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml)



Immunohistochemistry-Paraffin: ZCCHC11/TUT4 Antibody [NB100-783] - Staining of paraffin embedded Human Lymph Node. Antibody at 4 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



## Publications

Sergeeva VA, Ershova ES, Veiko NN et al. Low-Dose Ionizing Radiation Affects Mesenchymal Stem Cells via Extracellular Oxidized Cell-Free DNA: A Possible Mediator of Bystander Effect and Adaptive Response *Oxid Med Cell Longev* 2017-09-14 [PMID: 28904740]

Zastko L, Račkov A, Petrovič P et al. Evaluation of Calyculin A Effect on  $\gamma$ H2AX/53BP1 Focus Formation and Apoptosis in Human Umbilical Cord Blood Lymphocytes *International Journal of Molecular Sciences* 2021-05-22 [PMID: 34067339]

Konkova M, Abramova M, Kalkanov A et al. Mesenchymal Stem Cells Early Response to Low-Dose Ionizing Radiation *Frontiers in Cell and Developmental Biology* 2020-12-14 [PMID: 33381502]

Tran TQ, Ishak Gabra MB, Lowman XH et al. Glutamine deficiency induces DNA alkylation damage and sensitizes cancer cells to alkylating agents through inhibition of ALKBH enzymes *PLoS Biol.* 2017-11-01 [PMID: 29107960]

Lagundin D, Hu W, Law H et al. Delineating the role of FANCA in glucose-stimulated insulin secretion in beta cells through its protein interactome *PLoS ONE* 2019-08-28 [PMID: 31461451]

Jakl L, Markova E et al. Biodosimetry of Low Dose Ionizing Radiation Using DNA Repair Foci in Human Lymphocytes. *Genes (Basel)* 2020-04-01 [PMID: 31947954]

E Goy, M Tomezak, C Facchin, N Martin, E Bouchaert, J Benoit, C de Schutte, J Nassour, L Saas, C Drullion, PM Brodin, A Vandeputte, O Molendi-Co, L Pineau, G Goormacht, O Pluquet, A Pourtier, F Cleri, E Lartigau, N Penel, C Abbadie The out-of-field dose in radiation therapy induces delayed tumorigenesis by senescence evasion *Elife*, 2022-03-18;11(0):. 2022-03-18 [PMID: 35302491]

Parijat Senapati, Hiroyuki Kato, Michael Lee, Amy Leung, Christine Thai, Angelica Sanchez, Emily J. Gallagher, Derek LeRoith, Victoria L. Seewaldt, David K. Ann, Dustin E. Schones Hyperinsulinemia promotes aberrant histone acetylation in triple-negative breast cancer *Epigenetics & Chromatin* 2019-07-17 [PMID: 31315653]

Giusti L, Gabriele M, Penno G et al. A fermented whole grain prevents lipopolysaccharides-induced dysfunction in Human Endothelial Progenitor Cells. *downloads.hindawi.com.* 2017-02-20 [PMID: 28386305]

Huang Y, Chuang AY, Romano RA et al. Phospho-DeltaNp63alpha/NF-Y protein complex transcriptionally regulates DDIT3 expression in squamous cell carcinoma cells upon cisplatin exposure. *Cell Cycle* 2010-01-15 [PMID: 20023394]

Lee SB, Frattini V, Bansal M et al. An ID2-dependent mechanism for VHL inactivation in cancer. *Nature.* 2016-01-14 [PMID: 26735018]

Singh R, Braga M, Reddy ST et al. Follistatin Targets Distinct Pathways To Promote Brown Adipocyte Characteristics in Brown and White Adipose Tissues. *Endocrinology* 2017-05-01 [PMID: 28324027]

More publications at <http://www.novusbio.com/NB100-783>





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### **Products Related to NB100-783**

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NB820-59466	Raji 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

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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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