

# Product Datasheet

## UBTF Antibody - BSA Free NBP1-82545

Unit Size: 0.1 ml

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

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Updated 2/21/2025 v.20.1

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**NBP1-82545**

UBTF Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. 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>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

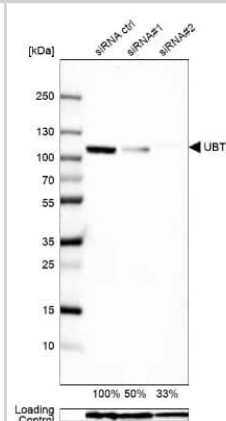
<b>Host</b>	Rabbit
<b>Gene ID</b>	7343
<b>Gene Symbol</b>	UBTF
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: WKLLSQKEKDAYHKKCDQKKKDYVELLRFLFLESLPEEEQQRVLGEEKMLNINK KQATSPASKKPAQEGGKGGSEKPKRPVSAMFIFSEEKRRQLQEERPELSESEL TRLLARMWNDLSEKKK

**Product Application Details**

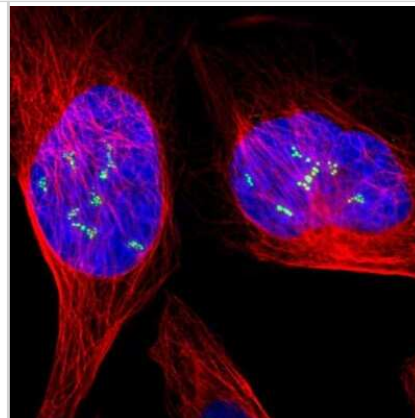
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

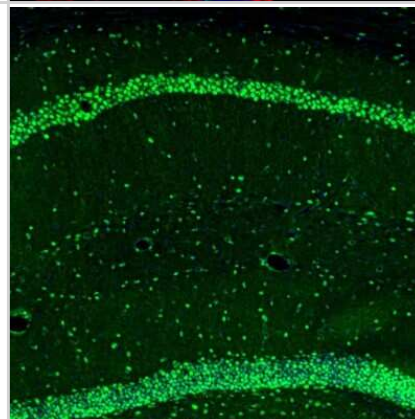
Western Blot: UBTF Antibody [NBP1-82545] - Analysis in U2OS cells transfected with control siRNA, target specific siRNA probe #1 and #2,. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



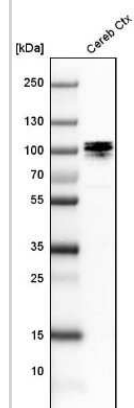
Immunocytochemistry/Immunofluorescence: UBTF Antibody [NBP1-82545] - Staining of human cell line U-2 OS shows localization to nucleoli fibrillar center. Antibody staining is shown in green.



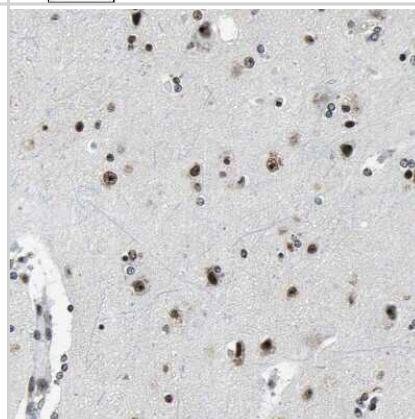
Immunohistochemistry: UBTF Antibody [NBP1-82545] - Staining of mouse brain shows strong positivity in neurons in the CA1 and granular cell layers in the hippocampus.



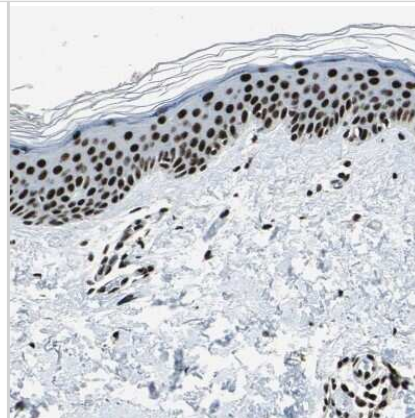
Western Blot: UBTF Antibody [NBP1-82545] - Analysis in mouse cerebral cortex tissue.



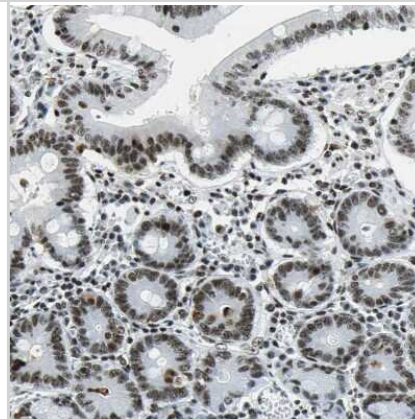
Immunohistochemistry-Paraffin: UBTF Antibody [NBP1-82545] - Staining of human cerebral cortex shows moderate to strong nuclear positivity in neurons.



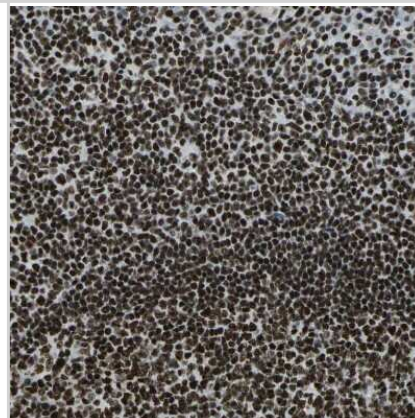
Immunohistochemistry-Paraffin: UBTF Antibody [NBP1-82545] - Staining of human skin shows strong nuclear positivity in squamous epithelial cells.



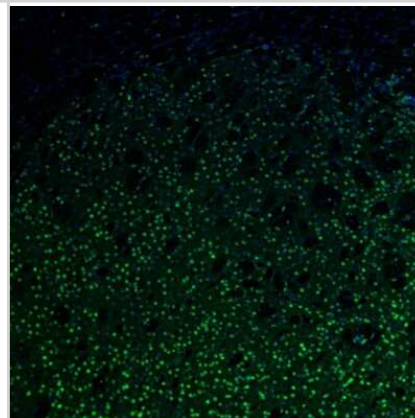
Immunohistochemistry-Paraffin: UBTF Antibody [NBP1-82545] - Staining of human small intestine shows moderate nuclear positivity in glandular cells.



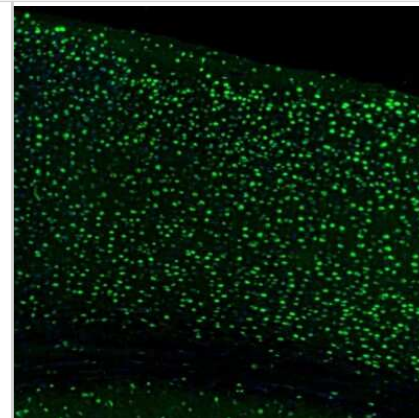
Immunohistochemistry-Paraffin: UBTF Antibody [NBP1-82545] - Staining of human tonsil shows strong nuclear positivity in non-germinal center cells.



Immunohistochemistry: UBTF Antibody [NBP1-82545] - Staining of mouse basal forebrain shows moderate nuclear positivity in neurons in the caudate putamen.



Immunohistochemistry: UBTF Antibody [NBP1-82545] - Staining of mouse brain shows strong nuclear positivity in neurons in the cerebral cortex.



## Publications

Jaberi-Lashkari N, Lee B, Aryan F, Calo E. An evolutionarily nascent architecture underlying the formation and emergence of biomolecular condensates *Cell Reports* 2023-08-29 [PMID: 37586369] (Immunocytochemistry/Immunofluorescence)

Sturiale V, Bruno F, Brancato D et al. Cell Cycle Reactivation, at the Start of Neurodegeneration, Induced by Forskolin and Aniline in Differentiated Neuroblastoma Cells *Int J Mol Sci* 2023-09-21 [PMID: 37762676]

Lee B, Jaberi-Lashkari N, Calo E. A unified view of low complexity regions (LCRs) across species *eLife* 2022-09-13 [PMID: 36098382] (Immunocytochemistry/Immunofluorescence)

Yang XM, Wang XQ, Hu LP et al. Nucleolar HEATR1 upregulated by mTORC1 signaling promotes hepatocellular carcinoma growth by dominating ribosome biogenesis and proteome homeostasis *Gastroenterology* 2023-05-27 [PMID: 37247644]

Venegas AB, Natsume T, Kanemaki M, Hickson ID Inducible Degradation of the Human SMC5/6 Complex Reveals an Essential Role Only during Interphase *Cell Rep* 2020-04-21 [PMID: 32320646]

Felipe-Abrio B, Verdugo-Sivianes EM, Saez C, Carnero A. Loss of MYBBP1A Induces Cancer Stem Cell Activity in Renal Cancer *Cancers (Basel)* 2019-02-18 [PMID: 30781655] (Mouse)

Sobol M, Yildirim S, Philimonenko VV et al. UBF complexes with phosphatidylinositol 4,5-bisphosphate in nucleolar organizer regions regardless of ongoing RNA polymerase I activity. *Nucleus* 2013-11-01 [PMID: 24513678]





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### **Products Related to NBP1-82545**

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NBP1-82545PEP	UBTF Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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