

# Product Datasheet

## PUS10 Antibody - BSA Free NBP2-48941

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 1

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Updated 12/2/2025 v.20.1

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**NBP2-48941**

PUS10 Antibody - BSA Free

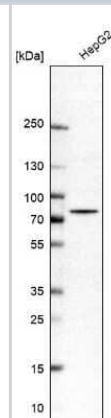
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

Product Description	
<b>Description</b>	Novus Biologicals Rabbit PUS10 Antibody - BSA Free (NBP2-48941) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PUS10 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	150962
<b>Gene Symbol</b>	PUS10
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: NSPKAVCAVLEIECAHGAVFVAGRYNKYSRNLQPWIIDGERKLESSVEELIS DHLLAVFKAESFNFSSSGREDVDVRTLGNGRPF AIELVNP HRVHFTS QEIKE

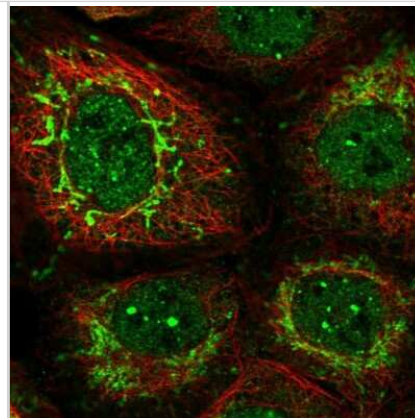
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

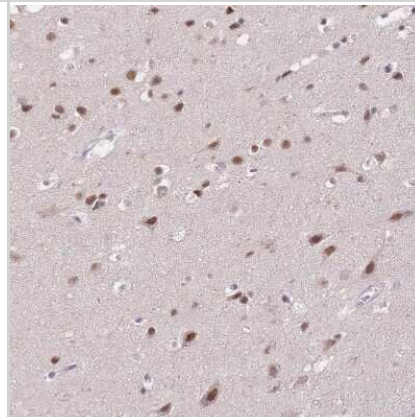
Western Blot: PUS10 Antibody [NBP2-48941] - Analysis in human cell line HepG2.



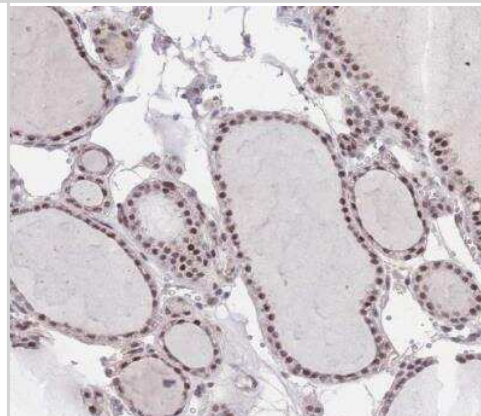
Immunocytochemistry/Immunofluorescence: PUS10 Antibody [NBP2-48941] - Staining of human cell line A-431 shows localization to nucleoplasm, nuclear bodies & mitochondria.



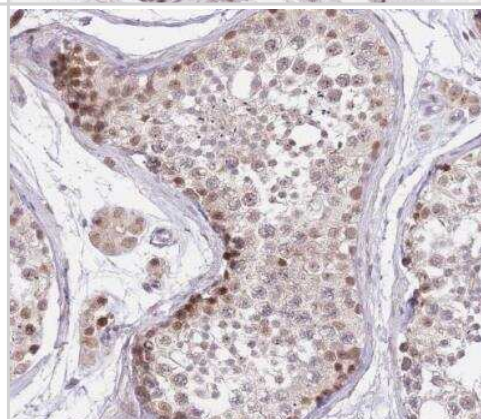
Immunohistochemistry-Paraffin: PUS10 Antibody [NBP2-48941] - Staining of human Cerebral cortex shows moderate nuclear and cytoplasmic positivity in neuronal cells.



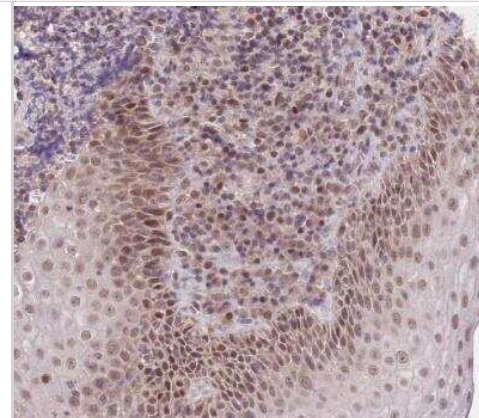
Immunohistochemistry-Paraffin: PUS10 Antibody [NBP2-48941] - Staining of human thyroid gland shows moderate nuclear positivity in glandular cells.



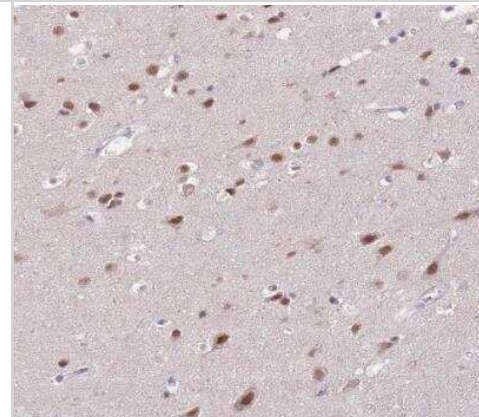
Immunohistochemistry-Paraffin: PUS10 Antibody [NBP2-48941] - Staining of human testis shows moderate nuclear and cytoplasmic positivity in cells in seminiferous ducts.



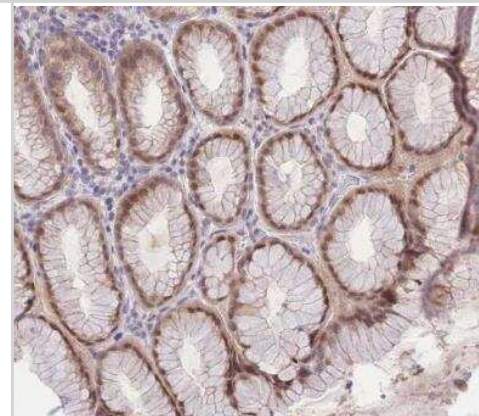
Immunohistochemistry-Paraffin: PUS10 Antibody [NBP2-48941] - Staining of human tonsil shows moderate nuclear and cytoplasmic positivity in squamous epithelial cells.



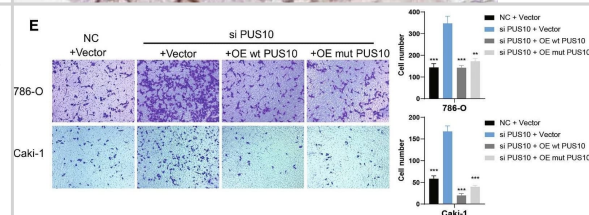
Immunohistochemistry-Paraffin: PUS10 Antibody [NBP2-48941] - Staining of human cerebral cortex shows moderate nuclear and cytoplasmic positivity in neuronal cells.



Immunohistochemistry-Paraffin: PUS10 Antibody [NBP2-48941] - Staining of human stomach shows moderate nuclear and cytoplasmic positivity in glandular cells.



PUS10 inhibits the migration of RCC in a catalytic-independent manner. A Overexpression of PUS10 was verified by qRT-PCR using GAPDH as a reference. B Western blot and dot blot assay were performed to verify the construction of wildtype and mutant PUS10 overexpressing models in vitro. C Transwell assays were conducted to evaluate the migration inhibition effect of wild-type and catalytically incompetent PUS10. Migrating cells in three replicate experiments were counted and are presented as the mean +/- SD in the histogram. D Wound healing assay validates the similar impact of wild-type and mutant PUS10 ectopic expression on the migratory ability of RCC cells. E Transwell assays showed that supplementation with either wild-type or mutant PUS10 could reverse the promotion of RCC migration induced by PUS10 silencing with siRNA. Migrating cells in three replicate experiments were counted and are presented as the mean +/- SD in the histogram. \*P < 0.05, \*\*P < 0.01, \*\*\*P < 0.001; ns not significant Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37596681>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Luo W, Xu Z, Wang H et Al. HIF1A-repressed PUS10 regulates NUDC/Cofilin1 dependent renal cell carcinoma migration by promoting the maturation of miR-194-5p Cell Biosci 2023-08-18 [PMID: 37596681]





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### **Products Related to NBP2-48941**

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NBP2-48941PEP	PUS10 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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