

# Product Datasheet

## MPHOSPH10 Antibody - BSA Free NBP1-84341

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: 4

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Updated 3/27/2025 v.20.1

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**NBP1-84341**

MPHOSP10 Antibody - BSA Free

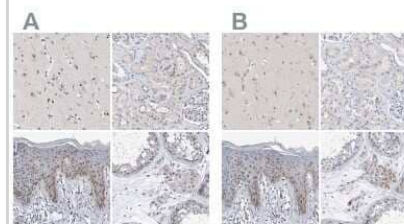
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	10199
Gene Symbol	MPHOSP10
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (85%), Rat (83%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: DDDLQENEDNKQHKESLKRVTFALPDDAETEDTGVLNVKKNNSDEVKSSFEKR QEKMNEKIASLEKELLEKPPWQLQGEVTAQKRPENSLLEETLHFDHAVR

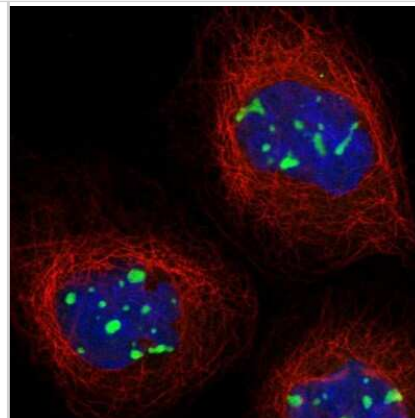
Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

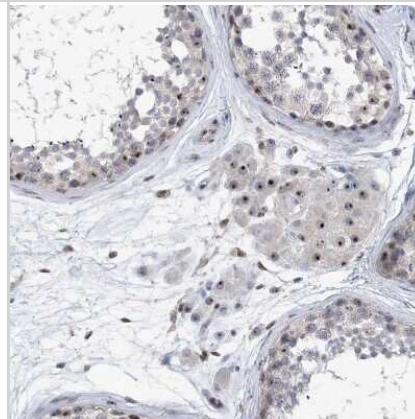
Immunohistochemistry-Paraffin: MPHOSP10 Antibody [NBP1-84341] - Staining of human cerebral cortex, kidney, skin and testis using Anti-MPHOSP10 antibody NBP1-84341 (A) shows similar protein distribution across tissues to independent antibody NBP2-38232 (B).



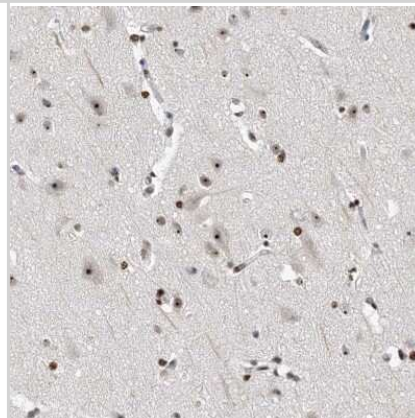
Immunocytochemistry/Immunofluorescence: MPHOSPH10 Antibody [NBP1-84341] - Immunofluorescent staining of human cell line A-431 shows localization to nucleoli.



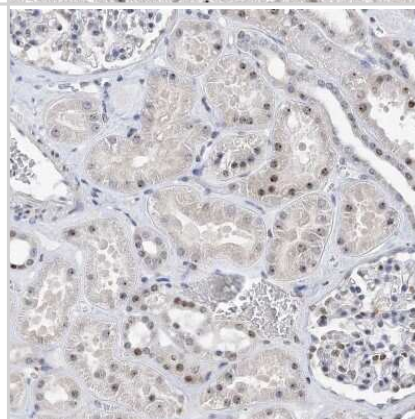
Immunohistochemistry-Paraffin: MPHOSPH10 Antibody [NBP1-84341] - Staining of human testis shows strong positivity in nucleoli in Leydig cells.



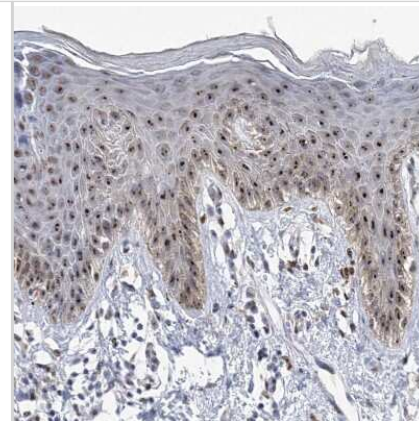
Immunohistochemistry-Paraffin: MPHOSPH10 Antibody [NBP1-84341] - Staining of human cerebral cortex shows strong positivity in nucleoli in neurons.



Immunohistochemistry-Paraffin: MPHOSPH10 Antibody [NBP1-84341] - Staining of human kidney shows moderate positivity in nucleoli in cells in tubules.



Immunohistochemistry-Paraffin: MPHOSPH10 Antibody [NBP1-84341] - Staining of human skin shows strong positivity in nucleoli in squamous epithelial cells.



## Publications

Aryan F, Detrés D, Luo CC et al. Nucleolus activity-dependent recruitment and biomolecular condensation by pH sensing *Molecular cell* 2023-11-14 [PMID: 37979585]

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)

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)

Lee B, Jaberi-Lashkari N, Calo E A unified view of LCRs across species *bioRxiv* 2022-01-01 [PMID: 36117765] (ICC/IF, Human)



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### **Products Related to NBP1-84341**

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NBP1-84341PEP	MPHOSPH10 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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