

# Product Datasheet

## CUL4B Antibody - BSA Free

### NBP1-86099

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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**NBP1-86099**

CUL4B 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                                                                                    |
| Target Molecular Weight | 104 kDa                                                                                                          |

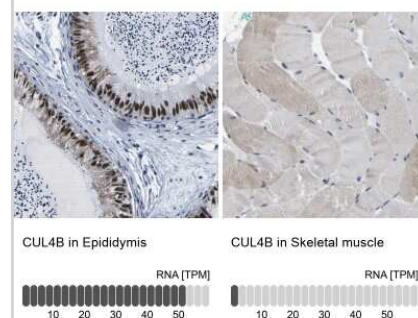
| Product Description |                                                                                                                                                                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description         | Novus Biologicals Rabbit CUL4B Antibody - BSA Free (NBP1-86099) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-CUL4B Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit                                                                                                                                                                                                                                                             |
| Gene ID             | 8450                                                                                                                                                                                                                                                               |
| Gene Symbol         | CUL4B                                                                                                                                                                                                                                                              |
| Species             | Human, Mouse, Rat                                                                                                                                                                                                                                                  |
| Immunogen           | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>GDGNDDEATTSKDGGFSSPSPSAAAAAQEVRSATDGNTSTTPPTSAKKRKLN<br>SSSSSSSNSSNEREDFDSTSSSSSTPPLQPRDSASPSTSSFCLGVSVAASSHV<br>PIQKKLRFEDTLEFVGFDKMAEESSSSSSSSSPTAATS                   |

| Product Application Details |                                                                                                                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                                         |
| Recommended Dilutions       | Western Blot 0.04-0.4 ug/ml, Simple Western, 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.                                                                      |

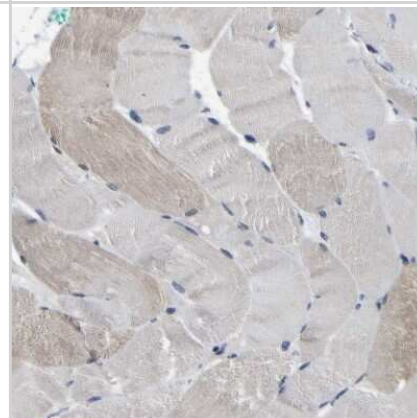


## Images

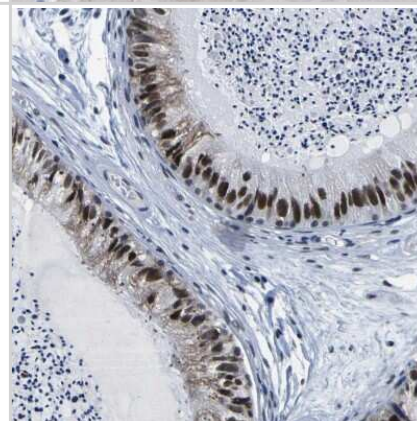
Immunohistochemistry-Paraffin: CUL4B Antibody [NBP1-86099] - Staining in human epididymis and skeletal muscle tissues using anti-CUL4B antibody. Corresponding CUL4B RNA-seq data are presented for the same tissues.



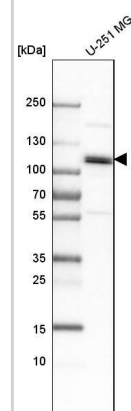
Immunohistochemistry-Paraffin: CUL4B Antibody [NBP1-86099] - Staining of human skeletal muscle shows low expression as expected.



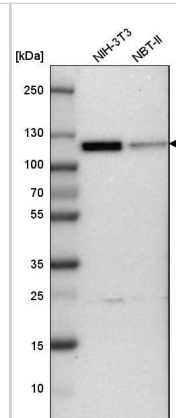
Immunohistochemistry-Paraffin: CUL4B Antibody [NBP1-86099] - Staining of human epididymis shows high expression.



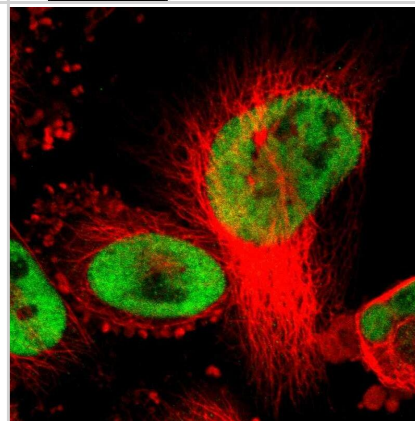
Analysis in human cell line U-251 MG.



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Staining of human cell line U-251 MG shows localization to nucleoplasm.



## Publications

Li T, Wu S, Jia L et al. CUL4 E3 ligase regulates the proliferation and apoptosis of lung squamous cell carcinoma and small cell lung carcinoma Cancer Biol Med 2020-05-15 [PMID: 32587774] (WB, Human)



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### **Products Related to NBP1-86099**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP1-86099PEP | CUL4B 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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