

# Product Datasheet

## AKAP4 Antibody - BSA Free

### NBP1-89165

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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**NBP1-89165**

AKAP4 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**

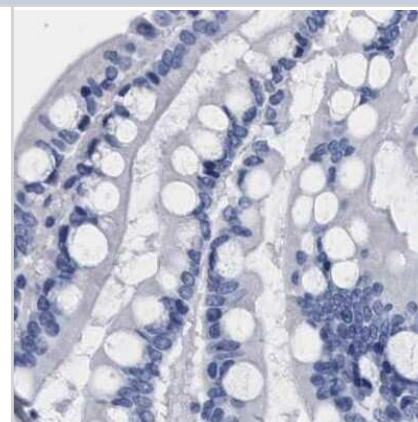
|                         |                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>      | Novus Biologicals Rabbit AKAP4 Antibody - BSA Free (NBP1-89165) is a polyclonal antibody validated for use in IHC. Anti-AKAP4 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.                 |
| <b>Host</b>             | Rabbit                                                                                                                                                                                                                                              |
| <b>Gene ID</b>          | 8852                                                                                                                                                                                                                                                |
| <b>Gene Symbol</b>      | AKAP4                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                               |
| <b>Reactivity Notes</b> | Reactivity reported in scientific literature (PMID: 24598113)                                                                                                                                                                                       |
| <b>Immunogen</b>        | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>SALKLIQYHLTQQTKGKDTCEEDCPGSTMGYMAQSTQYEKCGGGQSAKALSV<br>KQLESHRAPGPSTCQKENQHLD SQKMDMSNIVLMLIQKLLNENPFKCEDPCEG<br>ENKCSEPRASKAASMSNRSDKAEEQCQEHQELDCTSGMKQ |

**Product Application Details**

|                              |                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------|
| <b>Applications</b>          | Immunohistochemistry-Paraffin, Immunohistochemistry                                 |
| <b>Recommended Dilutions</b> | Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500 |
| <b>Application Notes</b>     | For IHC-Paraffin, HIER pH 6 retrieval is recommended.                               |

**Images**

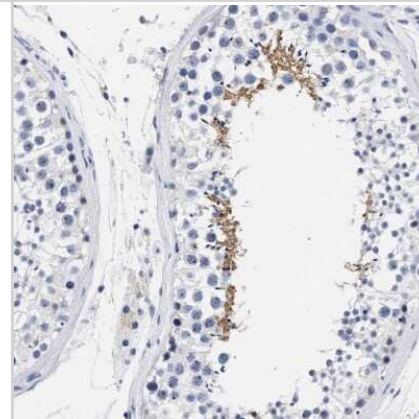
Immunohistochemistry-Paraffin: AKAP4 Antibody [NBP1-89165] - Staining of human colon.



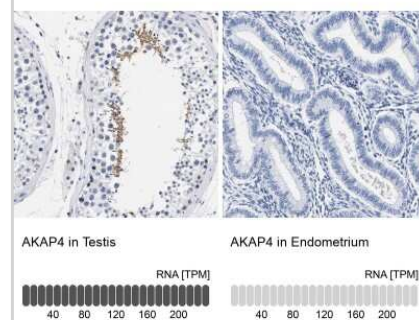
Immunohistochemistry-Paraffin: AKAP4 Antibody [NBP1-89165] - Staining of human endometrium shows low expression as expected.



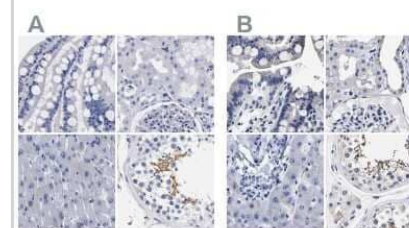
Immunohistochemistry-Paraffin: AKAP4 Antibody [NBP1-89165] - Staining of human testis shows high expression.



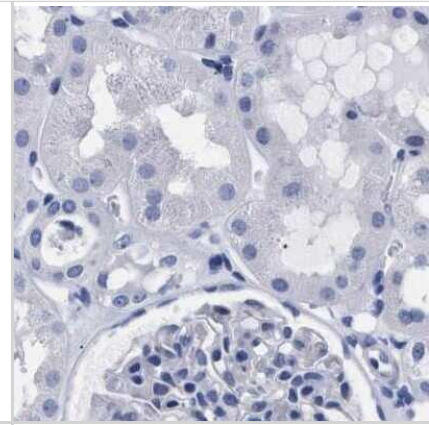
Immunohistochemistry-Paraffin: AKAP4 Antibody [NBP1-89165] - Staining in human testis and endometrium tissues using anti-AKAP4 antibody. Corresponding AKAP4 RNA-seq data are presented for the same tissues.



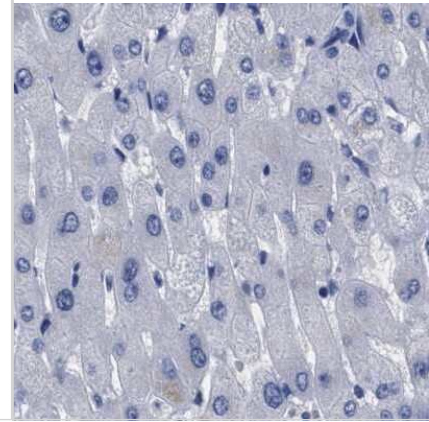
Immunohistochemistry-Paraffin: AKAP4 Antibody [NBP1-89165] - Staining of human colon, kidney, liver and testis using Anti-AKAP4 antibody NBP1-89165 (A) shows similar protein distribution across tissues to independent antibody NBP1-89164 (B).



Immunohistochemistry-Paraffin: AKAP4 Antibody [NBP1-89165] - Staining of human kidney.



Immunohistochemistry-Paraffin: AKAP4 Antibody [NBP1-89165] - Staining of human liver.



## Publications

Djureinovic D, Fagerberg L, Hallstrom B et al. The human testis-specific proteome defined by transcriptomics and antibody-based profiling. Mol Hum Reprod 2014-06-01 [PMID: 24598113]



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### **Products Related to NBP1-89165**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP1-89165PEP | AKAP4 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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