

# Product Datasheet

## AK3L1 Antibody - BSA Free

### NBP2-48773

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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**NBP2-48773**

AK3L1 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**

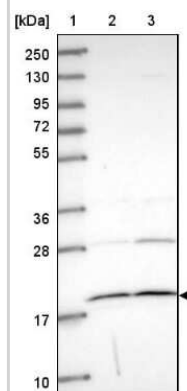
|                         |                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>      | Novus Biologicals Rabbit AK3L1 Antibody - BSA Free (NBP2-48773) is a polyclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>             | Rabbit                                                                                                                                                                                        |
| <b>Gene ID</b>          | 205                                                                                                                                                                                           |
| <b>Gene Symbol</b>      | AK4                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                         |
| <b>Reactivity Notes</b> | Mouse (83%)                                                                                                                                                                                   |
| <b>Immunogen</b>        | This antibody was developed against a recombinant protein corresponding to amino acids:<br>KGTVCQRIAQNFGQLQHLSSGHFLRENIKASTEVGEMAKQYIEKSLLVPDHSVITRL<br>MMSELENRRGQHWLLD                      |

**Product Application Details**

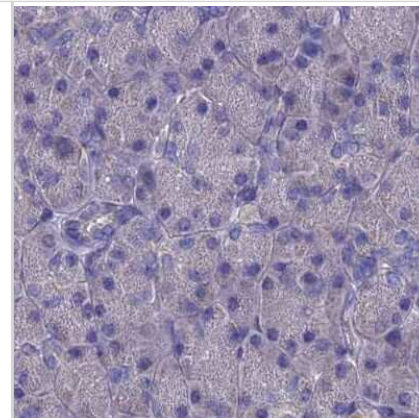
|                              |                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry                                            |
| <b>Recommended Dilutions</b> | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500 |
| <b>Application Notes</b>     | For IHC-Paraffin, HIER pH 6 retrieval is recommended.                                                        |

**Images**

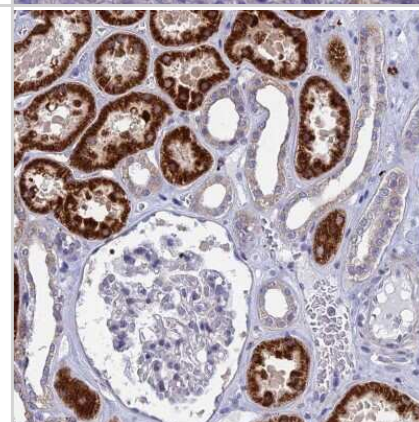
Western Blot: AK3L1 Antibody [NBP2-48773] - Lane 1: Marker [kDa]  
250, 130, 95, 72, 55, 36, 28, 17, 10  
Lane 2: Human cell line RT-4  
Lane 3: Human cell line U-251MG sp



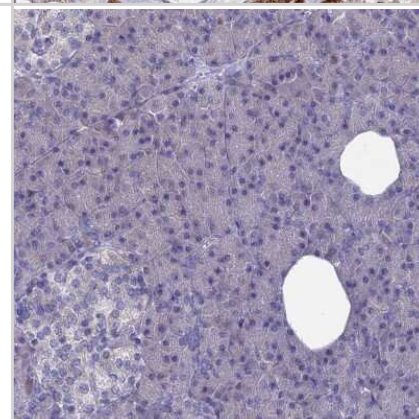
Immunohistochemistry-Paraffin: AK3L1 Antibody [NBP2-48773] - Staining of human pancreas using Anti-AK4 antibody NBP2-48773.



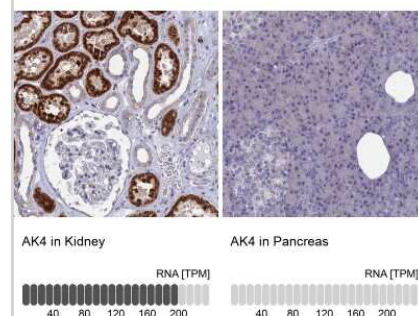
Immunohistochemistry: AK3L1 Antibody [NBP2-48773] - Staining of human kidney shows strong cytoplasmic positivity in cells in tubules.



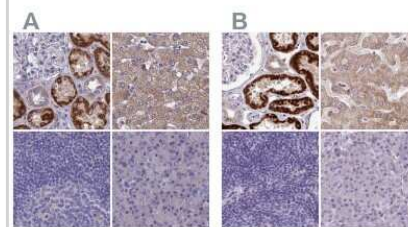
Immunohistochemistry-Paraffin: AK3L1 Antibody [NBP2-48773] - Staining of human pancreas shows low expression as expected.



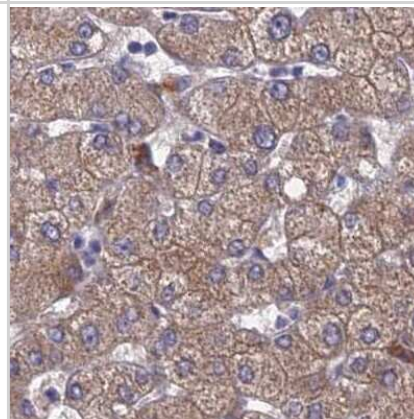
Immunohistochemistry-Paraffin: AK3L1 Antibody [NBP2-48773] - Staining in human kidney and pancreas tissues using anti-AK4 antibody. Corresponding AK4 RNA-seq data are presented for the same tissues.



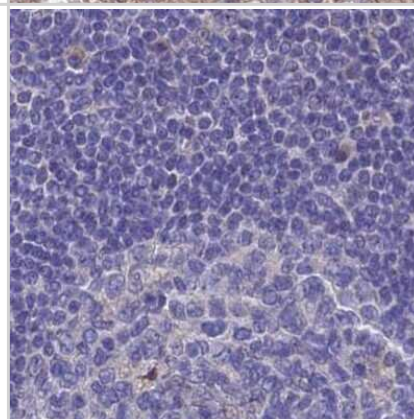
Immunohistochemistry-Paraffin: AK3L1 Antibody [NBP2-48773] - Staining of human kidney, liver, lymph node and pancreas using Anti-AK4 antibody NBP2-48773 (A) shows similar protein distribution across tissues to independent antibody NBP2-47553 (B).



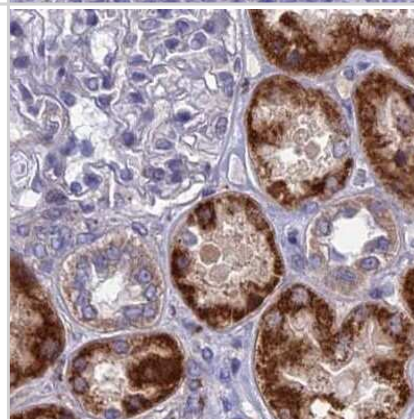
Immunohistochemistry-Paraffin: AK3L1 Antibody [NBP2-48773] - Staining of human liver.



Immunohistochemistry-Paraffin: AK3L1 Antibody [NBP2-48773] - Staining of human lymph node.



Immunohistochemistry-Paraffin: AK3L1 Antibody [NBP2-48773] - Staining of human kidney using Anti-AK4 antibody NBP2-48773.





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### **Products Related to NBP2-48773**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP2-48773PEP | AK3L1 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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