

# Product Datasheet

## AK3 Antibody (SJB3-36) - BSA Free NBP1-04261

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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**NBP1-04261**

AK3 Antibody (SJB3-36) - BSA Free

**Product Information**

|                      |  |
|----------------------|--|
| <b>Unit Size</b>     | 0.1 ml   |
| <b>Concentration</b> | 1.0 mg/ml  |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>     | Monoclonal   |
| <b>Clone</b>         | SJB3-36  |
| <b>Preservative</b>  | 0.02% Sodium Azide   |
| <b>Isotype</b>       | IgG1 Kappa   |
| <b>Purity</b>        | Protein G purified   |
| <b>Buffer</b>        | PBS (pH 7.4), 10% Glycerol   |

**Product Description**

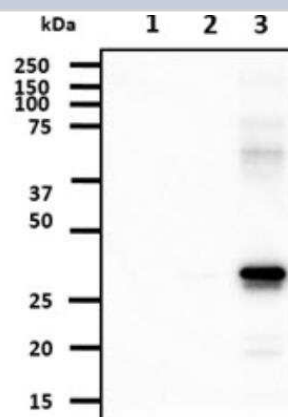
|                    |  |
|--------------------|--|
| <b>Host</b>        | Mouse  |
| <b>Gene ID</b>     | 50808  |
| <b>Gene Symbol</b> | AK3  |
| <b>Species</b>     | Human  |
| <b>Immunogen</b>   | Recombinant human AK3 (adenylate kinase isozyme 3) purified from E. coli |

**Product Application Details**

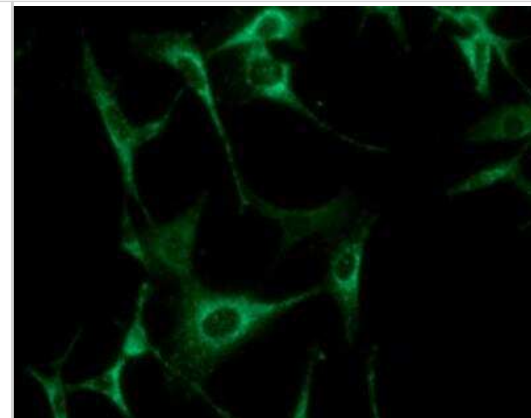
|                              |  |
|------------------------------|--|
| <b>Applications</b>          | Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| <b>Recommended Dilutions</b> | Western Blot 1:500-1:2000, Flow Cytometry, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:100 |

**Images**

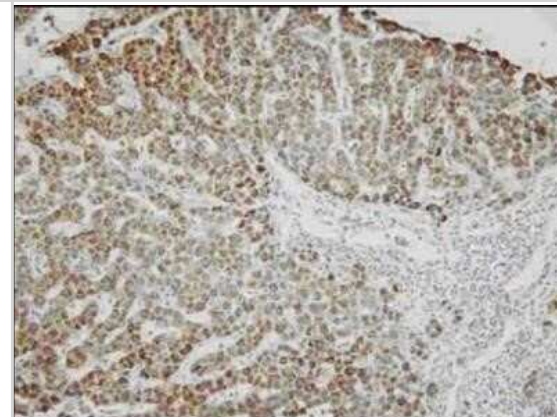
Western Blot: AK3 Antibody (SJB3-36) [NBP1-04261] - The recombinant protein (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human AK3 antibody (1:1,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : Recombinant Human AK1 Lane 2. : Recombinant Human AK2 Lane 3. : Recombinant Human AK3



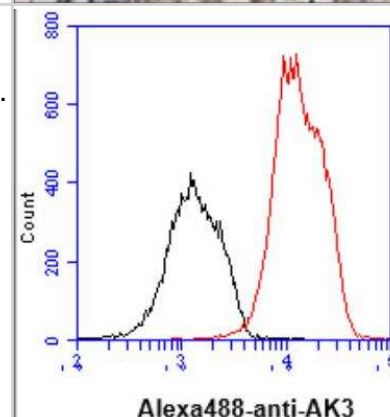
**Immunocytochemistry/Immunofluorescence:** AK3 Antibody (SJB3-36) [NBP1-04261] - Analysis of AK3 in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human AK3 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



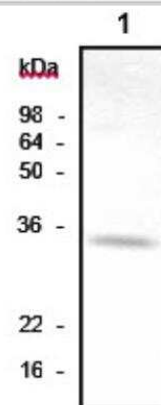
**Immunohistochemistry-Paraffin:** AK3 Antibody (SJB3-36) [NBP1-04261] - Human liver tissue was incubated with anti-human AK3 (1:100) for 2 hours at room temperature. Slide was then washed in PBS, and was incubated in avidin biosystem anti-rabbit labeled polymer for 30 min at RT. Enzyme detection was performed with DAB chromo-gen.



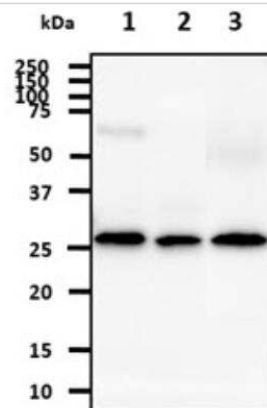
**Flow Cytometry:** AK3 Antibody (SJB3-36) [NBP1-04261] - Analysis of AK3 in jurkat cell line, staining at 2-5ug for 1x10<sup>6</sup> cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



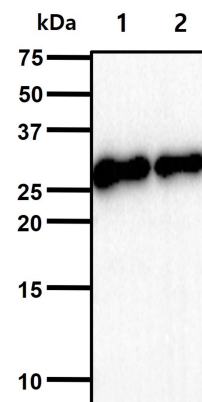
**Western Blot:** AK3 Antibody (SJB3-36) [NBP1-04261] - The lysate (40ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human AK3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : Mouse liver tissue lysate



Western Blot: AK3 Antibody (SJB3-36) [NBP1-04261] - The lysate (40ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human AK3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : Hep3B cell lysate Lane 2. : 293T cell lysate Lane 3. : Mouse kidney tissue lysate



The cell lysates(40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with NBP1-04261 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HepG2 cell lysate. Lane 2.: Lncap cell lysate





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### **Products Related to NBP1-04261**

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|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBC1-18396       | Recombinant Human AK3 His Protein                       |

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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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