

# Product Datasheet

## AKT1 Antibody (3A3) - BSA Free NBP1-51602

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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**NBP1-51602**

AKT1 Antibody (3A3) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<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>	3A3
<b>Preservative</b>	0.03% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Unpurified
<b>Buffer</b>	Ascites
<b>Target Molecular Weight</b>	56 kDa

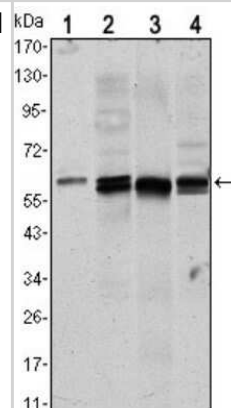
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	207
<b>Gene Symbol</b>	AKT1
<b>Species</b>	Human, Mouse, Monkey
<b>Reactivity Notes</b>	This AKT1 antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Immunogen</b>	Purified recombinant fragment of human AKT1 expressed in E. Coli.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:2000, Simple Western, ELISA 1:10000, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	This AKT1 antibody is validated for IHC-P from a verified customer review.

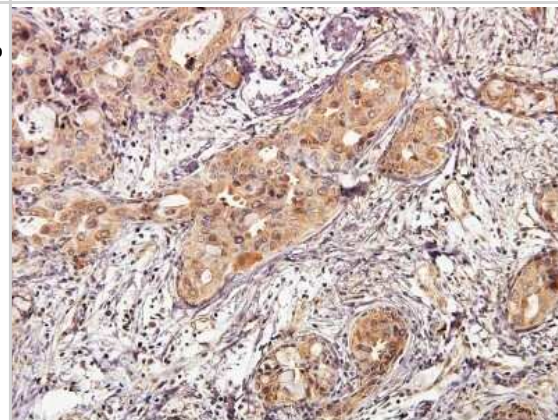


## Images

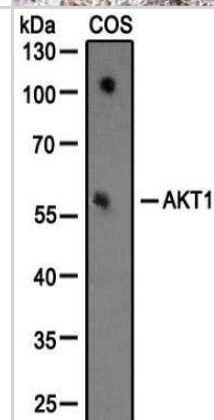
Western Blot: AKT1 Antibody (3A3) [NBP1-51602] - Analysis using AKT1 antibody against NIH/3T3 (1), Hela (2), COS7 (3) and Jurkat (4) cell lysate.



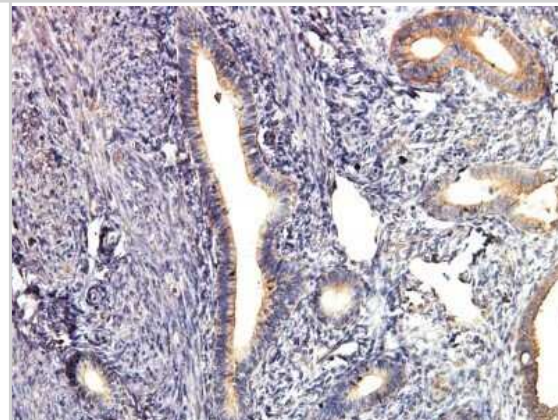
Immunohistochemistry-Paraffin: AKT1 Antibody (3A3) [NBP1-51602] - Analysis of human breast carcinoma using AKT1 antibody at 1:50. IHC-P image submitted by a verified customer review.



Western Blot: AKT1 Antibody (3A3) [NBP1-51602] - Analysis of extracts from COS cells using AKT1 antibody at 1:1000. WB image submitted by a verified customer review.



Immunohistochemistry-Paraffin: AKT1 Antibody (3A3) [NBP1-51602] - Analysis of human endometrial cancer using AKT1 antibody at 1:25. IHC-P image submitted by a verified customer review.



## Publications

Liu Z, Du J, Ren J et al. miR-183-96-182 clusters alleviated ox-LDL-induced vascular endothelial cell apoptosis in vitro by targeting FOXO1 RSC Adv 2022-05-13 [PMID: 35547044]

Anderzhanova, E, Hafner, K Et al. The stress susceptibility factor FKBP51 controls S-ketamine-evoked release of mBDNF in the prefrontal cortex of mice. Neurobiol Stress 2020-11-01 [PMID: 33344695] (WB, Human)

Sikorski K, Mehta A et al. A high-throughput pipeline for validation of antibodies. Nat Methods 2018-01-11 [PMID: 30377371] (Human)

### Details:

Antibody validation based on denaturing gel electrophoresis of biotinylated cell lysates (PAGE) followed by mass spectrometry (MS) and antibody array analysis (MAP).





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### **Products Related to NBP1-51602**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-52121-0.05mg	Recombinant Human AKT1 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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