

Product Datasheet

AKT1 Antibody (OTI4D6) - Azide and BSA Free NBP2-70135

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-70135

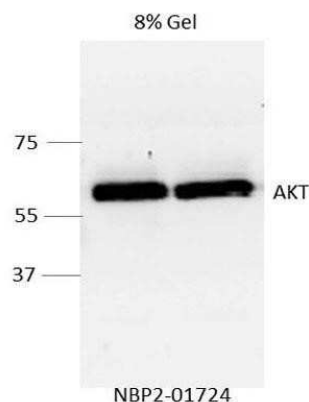
AKT1 Antibody (OTI4D6) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI4D6
Preservative	No Preservative
Reconstitution Instructions	we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process.
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	Lyophilized from PBS (pH 7.3) with 8% Trehalose
Target Molecular Weight	55.7 kDa
Product Description	
Description	Novus Biologicals Mouse AKT1 Antibody (OTI4D6) - Azide and BSA Free (NBP2-01724) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	207
Gene Symbol	AKT1
Species	Human, Mouse, Rat, Canine, Monkey
Reactivity Notes	Please note that this 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.
Specificity/Sensitivity	This antibody also cross-reacts with AKT3.
Immunogen	This AKT1 antibody is made to the full length human recombinant protein of human AKT1(NP_005154) produced in HEK293T cell.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150, CyTOF-ready

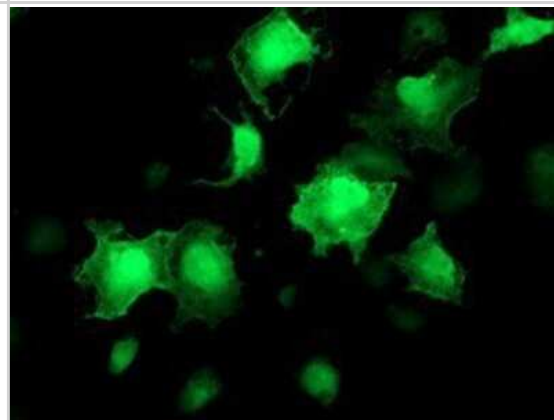


Images

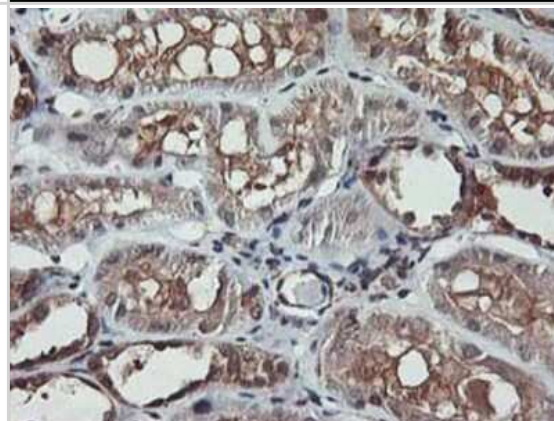
Western Blot: AKT1 Antibody (OTI4D6) - Azide and BSA Free [NBP2-70135] - Detection of AKT1 in human MD-MB-231 cells using AKT1 antibody NBP2-01724 at a dilution of 1:2000. WB image submitted by a verified customer review.



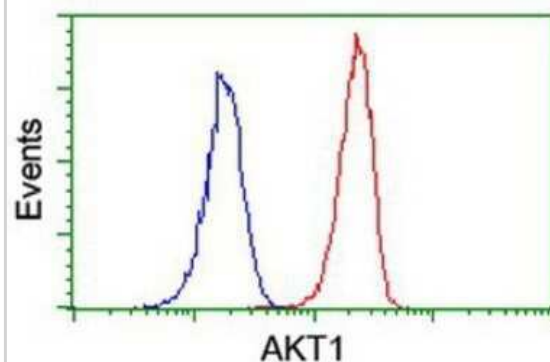
Immunocytochemistry/Immunofluorescence: AKT1 Antibody (OTI4D6) - Azide and BSA Free [NBP2-70135] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY AKT1.



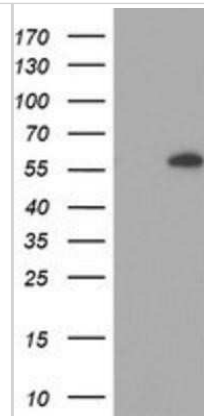
Immunohistochemistry: AKT1 Antibody (OTI4D6) - Azide and BSA Free [NBP2-70135] - IHC-P staining of paraffin-embedded human kidney tissue using anti-AKT1 antibody. Heat-induced epitope retrieval in 10 mM citric buffer, pH 6.0, 100C for 10 min.



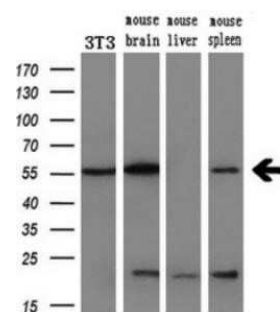
Flow Cytometry: AKT1 Antibody (OTI4D6) - Azide and BSA Free [NBP2-70135] - Flow cytometric analysis of Jurkat cells using anti-AKT1 antibody (red), compared to a nonspecific negative control antibody (blue).



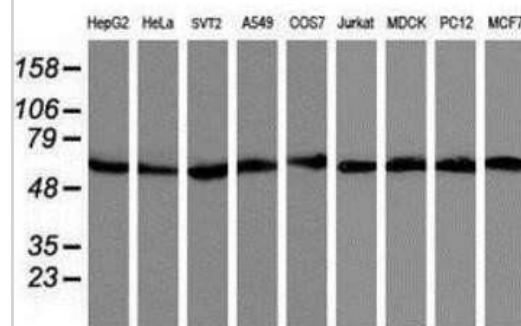
Western Blot: AKT1 Antibody (OTI4D6) - Azide and BSA Free [NBP2-70135] - HEK293T cells were transfected with the pCMV6-ENTRY control (left lane) or pCMV6-ENTRY AKT1 (right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AKT1.



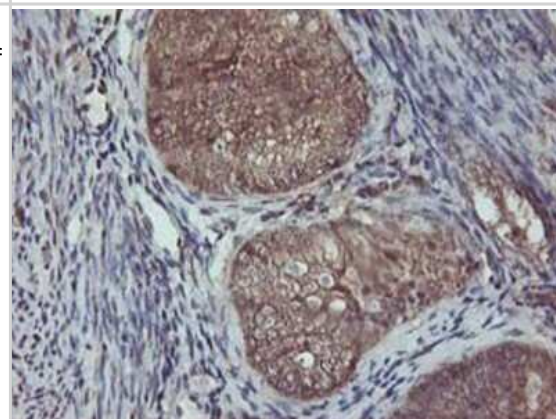
Western Blot: AKT1 Antibody (OTI4D6) - Azide and BSA Free [NBP2-70135] - Analysis of extracts (10 ug) from a mouse cell line and 3 different mouse tissues using AKT1 antibody at a 1:200 dilution.



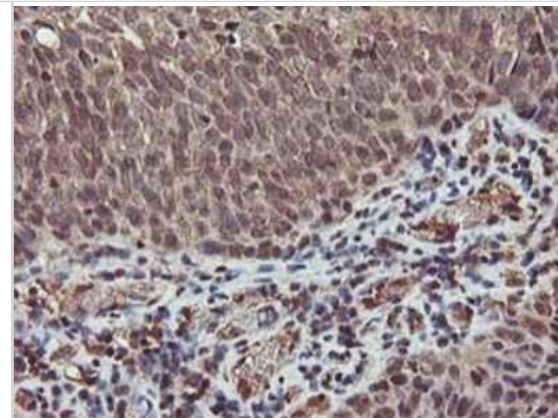
Western Blot: AKT1 Antibody (OTI4D6) - Azide and BSA Free [NBP2-70135] - Analysis of extracts (35 ug) from 9 different cell lines using AKT1 antibody.



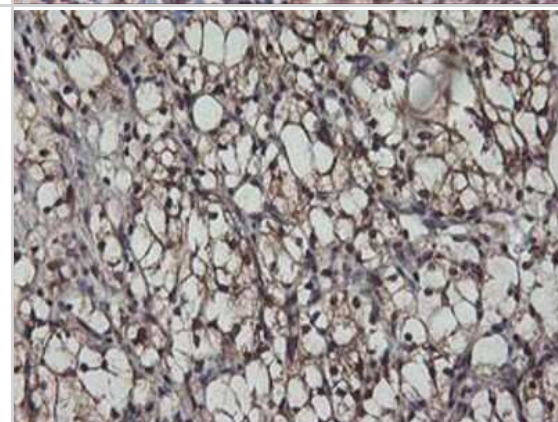
Immunohistochemistry: AKT1 Antibody (OTI4D6) - Azide and BSA Free [NBP2-70135] - IHC-P staining of paraffin-embedded adenocarcinoma of human endometrium tissue using anti-AKT1 antibody. Heat-induced epitope retrieval in 10 mM citric buffer, pH 6.0, 100C for 10 min.



Immunohistochemistry: AKT1 Antibody (OTI4D6) - Azide and BSA Free [NBP2-70135] - IHC-P staining of paraffin-embedded carcinoma of human bladder tissue using anti-AKT1 antibody. Heat-induced epitope retrieval in 10 mM citric buffer, pH 6.0, 100C for 10 min.



Immunohistochemistry: AKT1 Antibody (OTI4D6) - Azide and BSA Free [NBP2-70135] - IHC-P staining of paraffin-embedded carcinoma of human kidney tissue using AKT1 antibody. Heat-induced epitope retrieval in 10 mM citric buffer, pH 6.0, 100C for 10 min.



Immunohistochemistry: AKT1 Antibody (OTI4D6) - Azide and BSA Free [NBP2-70135] - IHC-P staining of paraffin-embedded human prostate tissue using anti-AKT1 antibody. Heat-induced epitope retrieval in 10 mM citric buffer, pH 6.0, 100C for 10 min.





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Products Related to NBP2-70135

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

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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