

Product Datasheet

AKT1 Antibody (PSH0-50) NBP3-32016

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-32016

AKT1 Antibody (PSH0-50)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PSH0-50
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.05% BSA and 40% Glycerol
Target Molecular Weight	55.7 kDa

Product Description	
Description	Novus Biologicals Rabbit AKT1 Antibody (PSH0-50) (NBP3-32016) is a recombinant monoclonal antibody validated for use in WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	207
Gene Symbol	AKT1
Species	Human, Mouse, Rat, Monkey
Immunogen	Synthetic peptide within human AKT1 aa 271-320 / 480. (Uniprot: P31749)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:50-1:1000, Immunocytochemistry/ Immunofluorescence 1:50



Images

Western Blot: AKT1 Antibody (PSH0-50) [NBP3-32016] - Western blot analysis of AKT1 on different lysates with Rabbit anti-AKT1 antibody (NBP3-32016) at 1/1,000 dilution.

Lane 1: Jurkat cell lysate
 Lane 2: MCF7 cell lysate
 Lane 3: HeLa cell lysate
 Lane 4: NIH/3T3 cell lysate
 Lane 5: C2C12 cell lysate
 Lane 6: COS-1 cell lysate
 Lane 7: PC-12 cell lysate
 Lane 8: Mouse brain tissue lysate

Lysates/proteins at 30 ug/Lane.

Predicted band size: 56 kDa
 Observed band size: 60 kDa

Exposure time: 3 minutes;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32016) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:100,000 dilution was used for 1 hour at room temperature.

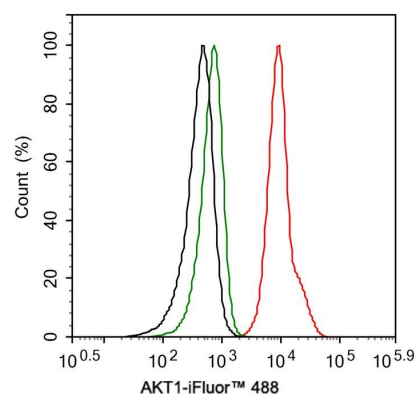
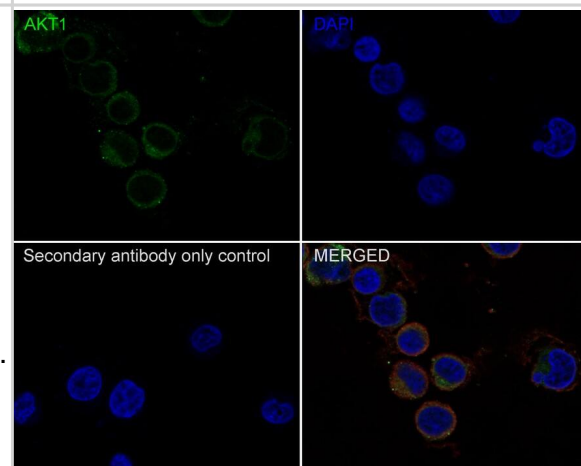
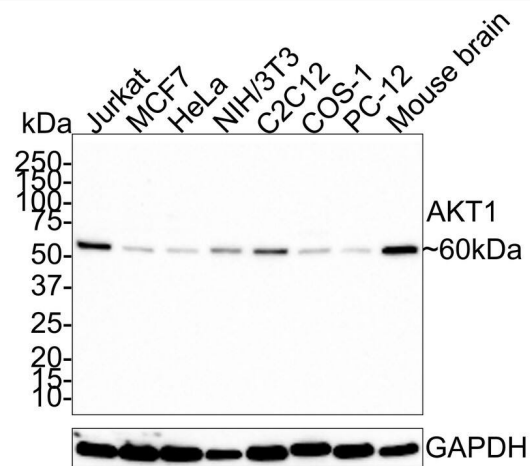
Immunocytochemistry/ Immunofluorescence: AKT1 Antibody (PSH0-50) [NBP3-32016] - Immunocytochemistry analysis of Jurkat cells labeling AKT1 with Rabbit anti-AKT1 antibody (NBP3-32016) at 1/50 dilution.

Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-AKT1 antibody (NBP3-32016) at 1/50 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (red) was stained at 1/200 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.

Flow Cytometry: AKT1 Antibody (PSH0-50) [NBP3-32016] - Flow cytometric analysis of Jurkat cells labeling AKT1.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32016, 1ug/ml) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 °C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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Products Related to NBP3-32016

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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