

Product Datasheet

AKT1/2/3 Antibody (JE75-09)

NBP3-32017

Unit Size: 100 ul

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

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NBP3-32017

AKT1/2/3 Antibody (JE75-09)

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	JE75-09
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	1*TBS (pH7.4), 0.05% BSA and 40% Glycerol
Target Molecular Weight	56 kDa

Product Description	
Description	Novus Biologicals Rabbit AKT1/2/3 Antibody (JE75-09) (NBP3-32017) 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
Immunogen	Recombinant protein within Human AKT1/2/3 aa 231-480 / 480. (Uniprot: P31749)

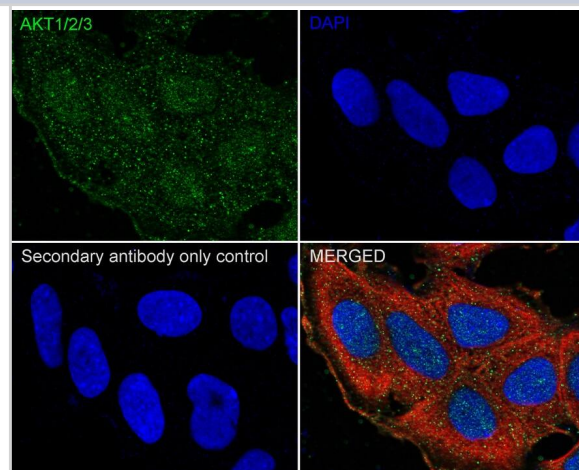
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:1000, Immunocytochemistry/ Immunofluorescence 1:100



Images

Immunocytochemistry/ Immunofluorescence: AKT1/2/3 Antibody (JE75-09) [NBP3-32017] - Immunocytochemistry analysis of MCF7 cells labeling AKT1/2/3 with Rabbit anti-AKT1/2/3 antibody (NBP3-32017) at 1/100 dilution.

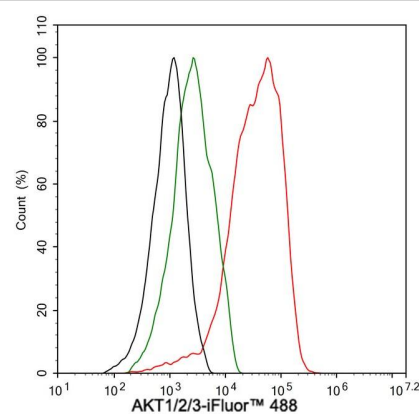
Cells were fixed in 100% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-AKT1/2/3 antibody (NBP3-32017) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Beta tubulin (red) was stained at 1/100 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: AKT1/2/3 Antibody (JE75-09) [NBP3-32017] - Flow cytometric analysis of MCF7 cells labeling AKT1/2/3.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32017, 1 µg/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).



Western Blot: AKT1/2/3 Antibody (JE75-09) [NBP3-32017] - Western blot analysis of AKT1/2/3 on different lysates with Rabbit anti-AKT1/2/3 antibody (NBP3-32017) at 1/2,000 dilution.

Lane 1: HeLa cell lysate
Lane 2: MCF7 cell lysate
Lane 3: A549 cell lysate
Lane 4: U-2 OS cell lysate
Lane 5: NIH/3T3 cell lysate

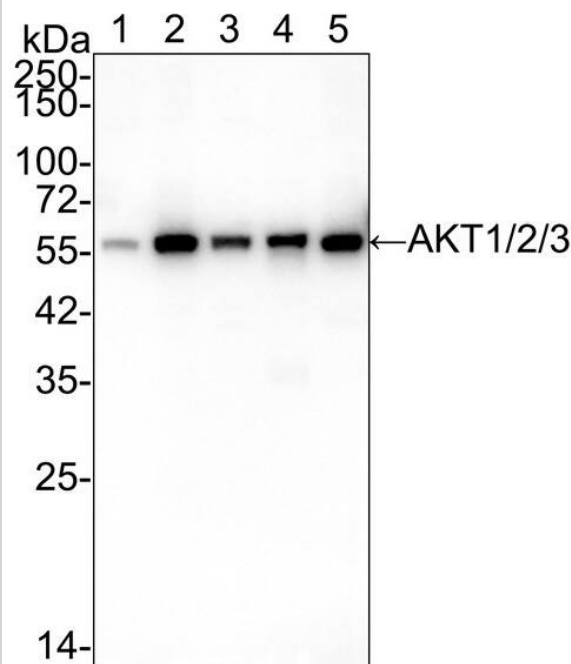
Lysates/proteins at 15 µg/Lane.

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

Exposure time: 30 seconds;

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 at 1/2,000 dilution was used in 5% NFDM/TBST at 4 °C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.





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Products Related to NBP3-32017

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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