

Product Datasheet

AKT Rabbit Monoclonal Antibody (orb1474633)

Catalog Number	orb1474633
Category	Antibodies
Description	The AKT Antibody is suitable for IF, IHC, IP, WB. It is a Monoclonal, Unconjugated antibody which raised against Recombinant protein of human AKT. The exact sequence is proprietary. Purification: The antibody was purified by immunogen affinity chromatography.
Target	AKT1; AKT2; AKT3
Clonality	Monoclonal
Species/Host	Rabbit
Conjugation	Unconjugated
Reactivity	Hamster, Human, Mouse, Rat, Zebrafish
Form/Appearance	Liquid
Buffer/Preservatives	50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% rAlbumin.
Purification	The antibody was purified by immunogen affinity chromatography.
Immunogen	Recombinant protein of human AKT. The exact sequence is proprietary.
UniProt ID	Q9Y243, P47196, Q60823, Q63484, P31750, P31751, Q9WUA6, P31749, P47197
Tested applications	IF, IHC, IP, WB
Dilution range	WB (1/500 - 1/1000), IH (1/50 - 1/100), IF/IC (1/50 - 1/100), IP (1/10 - 1/50)

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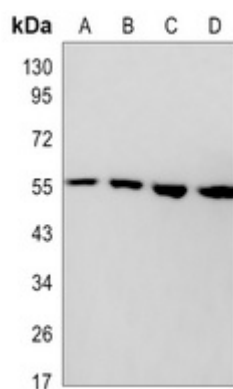
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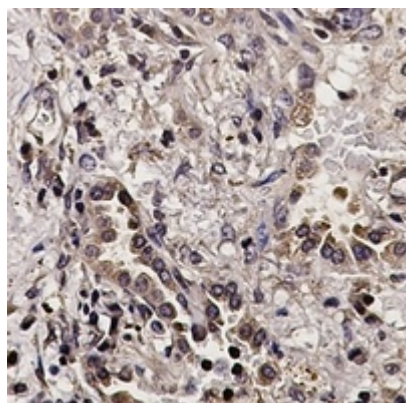
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Specificity	Recognizes endogenous levels of AKT protein.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	11652, 208, 24185, 25233, 29414, 23797, 10000, 11651, 207
Expiration Date	12 months from date of receipt.



Western blot analysis of AKT expression in Hela (A), Jurkat (B), rat brain (C), CHO-K1 (D) whole cell lysates. (Predicted band size: 55 kD; Observed band size: 55 kD)



Immunohistochemical analysis of AKT staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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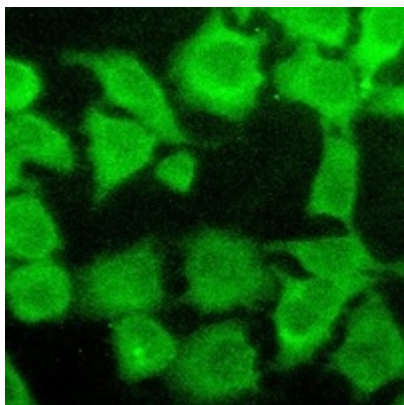
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Immunofluorescent analysis of AKT staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

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