

## Product Datasheet

# AKT1 Recombinant Rabbit Monoclonal Antibody (orb526613)

<b>Catalog Number</b>	orb526613
<b>Category</b>	Antibodies
<b>Description</b>	AKT1 Recombinant Rabbit Monoclonal Antibody
<b>Target</b>	AKT1
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted Reactivity</b>	Mouse, Rat
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Buffer/Preservatives</b>	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
<b>Purification</b>	Affinity purified by Protein A
<b>Immunogen</b>	A synthesized peptide derived from human AKT1 (330-479aa)
<b>UniProt ID</b>	<b>P31749</b>
<b>MW</b>	59 kDa

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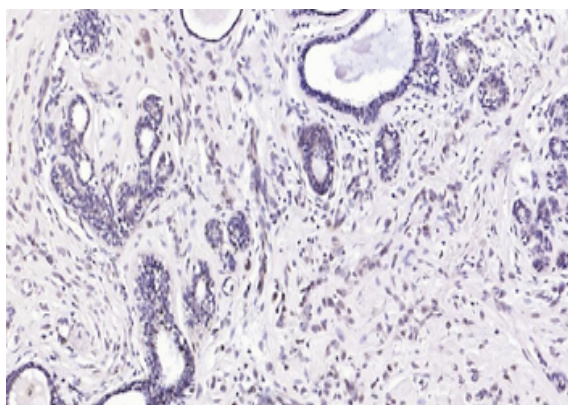
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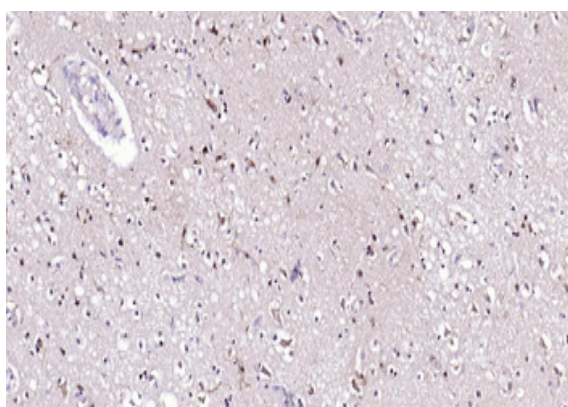
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<b>Tested applications</b>	FC, ICC, IF, IHC-Fr, IHC-P, WB
<b>Dilution range</b>	WB=1:1000-5000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=1:100-200, ICC/IF=1:100-200
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	B33H4
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with AKT1 Monoclonal Antibody, Unconjugated (orb526613) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with AKT1 Monoclonal Antibody, Unconjugated (orb526613) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

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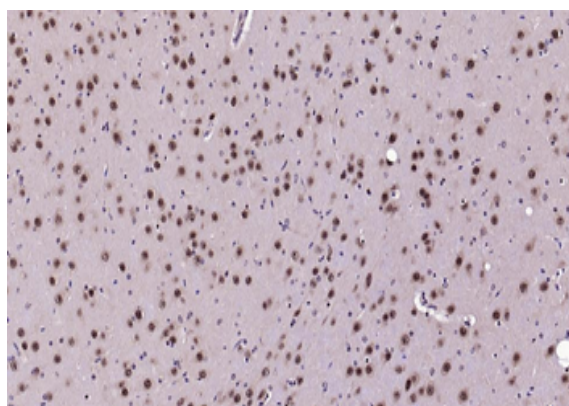
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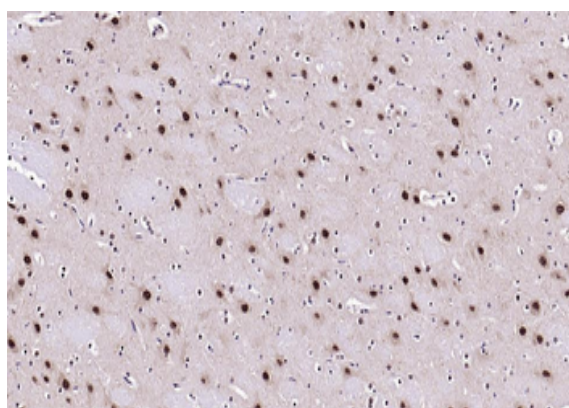
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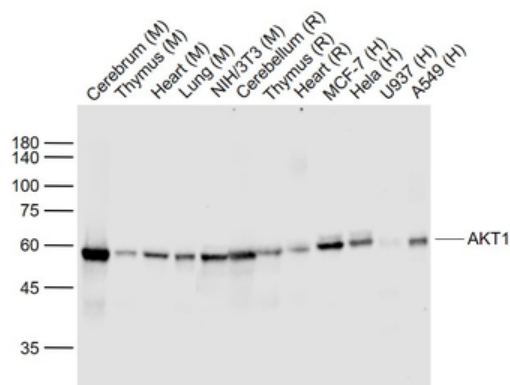
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Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with AKT1 Monoclonal Antibody, Unconjugated (orb526613) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with AKT1 Monoclonal Antibody, Unconjugated (orb526613) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.



Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug, Lane 2: Thymus (Mouse) Lysate at 40 ug, Lane 3: Heart (Mouse) Lysate at 40 ug, Lane 4: Lung (Mouse) Lysate at 40 ug, Lane 5: NIH/3T3 (Mouse) Cell Lysate at 30 ug, Lane 6: Cerebellum (Rat) Lysate at 40 ug, Lane 7: Thymus (Rat) Lysate at 40 ug, Lane 8: Heart (Rat) Lysate at 40 ug, Lane 9: MCF-7 (Human) Cell Lysate at 30 ug, Lane 10: Hela (Human) Cell Lysate at 30 ug, Lane 11: U937 (Human) Cell Lysate at 30 ug, Lane 12: A549 (Human) Cell Lysate at 30 ug, Primary: Anti-AKT1 (orb526613) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 59 kD, Observed band size: 59 kD.

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