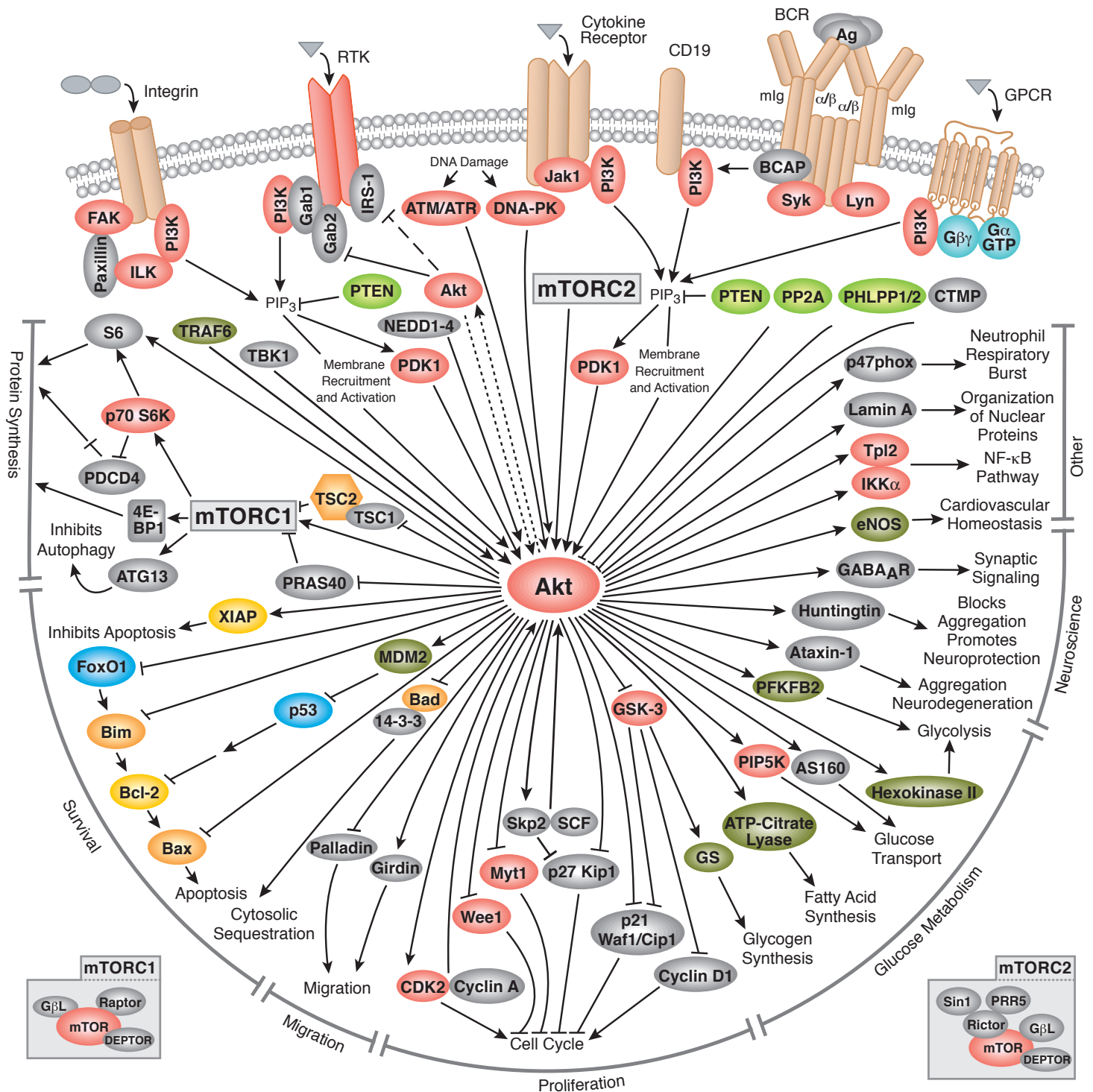


PI3 Kinase/Akt Signaling



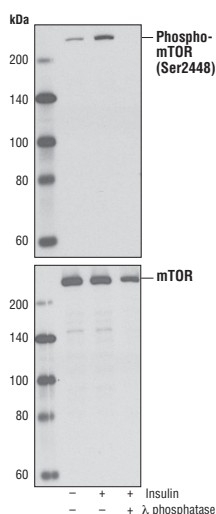
Key Products for Akt Signaling

Visit www.cellsignal.com/aktlist for full listing of antibodies, related kits, and reagents.

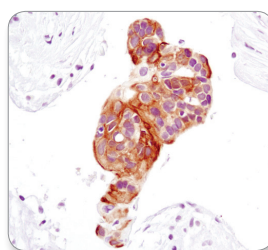
ANTIBODIES

	APPLICATIONS	REACTIVITY
#9644 4E-BP1 (53H11) Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Mk
#2855 Phospho-4E-BP1 (Thr37/46) (236B4) Rabbit mAb	WB, IHC-P, IF-IC, F	H, M, R, Mk, Dm
#4691 Akt (pan) (C67E7) Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Mk, Dm, (Pg)
#2920 Akt (pan) (40D4) Mouse mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Mk
#13038 Phospho-Akt (Thr308) (D25E6) XP® Rabbit mAb	WB, IP, IF-IC, F	H, M, R, Mk
#12178 Phospho-Akt (Thr450) (D5G4) Rabbit mAb	WB, IP	H, M, R
#4060 Phospho-Akt (Ser473) (D9E) XP® Rabbit mAb	WB, IP, IHC-P, IHC-F, IF-IC, F	H, M, R, Hm, Mk, Dm, Z, B, (C, X, Dg, Pg)
#2938 Akt1 (C73H10) Rabbit mAb	WB, IP, IHC-P	H, M, R, Mk
#9018 Phospho-Akt1 (Ser473) (D7F10) XP® Rabbit mAb (Akt1 Specific)	WB, IP, IF-IC, F	H, M, R
#3063 Akt2 (D6G4) Rabbit mAb	WB, IP	H, M, R, Mk
#8599 Phospho-Akt2 (Ser474) (D3H2) Rabbit mAb (Akt2 Specific)	WB, IP	H, M, R
#14982 Akt3 (E1Z3W) Rabbit mAb	WB, IP, IF-IC	H, M, R
#9239 Bad (D24A9) Rabbit mAb	WB	H, M, R, Mk, (B)
#4366 Phospho-Bad (Ser136) (D25H8) Rabbit mAb	WB, IP	H, M, Mk, (R)
#11816 DEPTOR/DEPDC6 (D9F5) Rabbit mAb	WB, IP, IHC-P	H, R, Mk
#2880 FoxO1 (C29H4) Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Mk
#9461 Phospho-FoxO1 (Ser256) Antibody	WB	H, M, R, Mk, (C, Z, B)
#12829 FoxO3a (D19A7) Rabbit mAb	WB, IP, IHC-P, IF-IC	H, M, R
#13129 Phospho-FoxO3a (Ser253) (D18H8) Rabbit mAb	WB	H, M, R, Mk
#12456 GSK-3β (D5C5Z) XP® Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Mk
#5558 Phospho-GSK-3β (Ser9) (D85E12) XP® Rabbit mAb	WB, IP, IF-IC, F	H, M, R, Hm
#6935 Hamartin/TSC1 (D43E2) Rabbit mAb	WB, IP	H, M, R
#11930 IKKα (3G12) Mouse mAb	WB, IF-IC, F	H, Mk
#8943 IKKβ (D30C6) Rabbit mAb	WB, IP	H, M, R, Mk
#2983 mTOR (7C10) Rabbit mAb	WB, IHC-P, IF-IC, F	H, M, R, Mk, (Hr)
#5536 Phospho-mTOR (Ser2448) (D9C2) XP® Rabbit mAb	WB, IP, IF-IC	H, M, Mk, (R, C, Pg, Hr)
#2974 Phospho-mTOR (Ser2481) Antibody	WB	H, M, R, Mk
#2708 p70 S6 Kinase (49D7) Rabbit mAb	WB, IHC-P	H, M, R, Mk
#9234 Phospho-p70 S6 Kinase (Thr389) (108D2) Rabbit mAb	WB	H, M, R, Mk, (C)

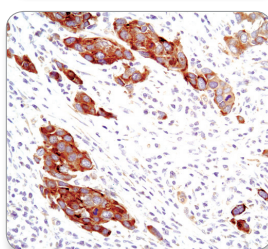
Phospho-mTOR (Ser2448) (D9C2) XP® Rabbit mAb #5536: WB analysis of extracts from serum-starved NIH/3T3 cells, untreated (-) or insulin-treated (150 nM, 5 min; +), alone or in combination with λ-phosphatase (+), using #5536 (upper) or mTOR (7C10) Rabbit mAb #2983 (lower).



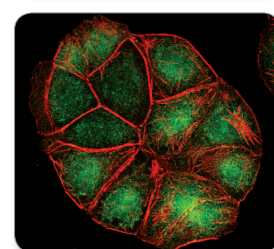
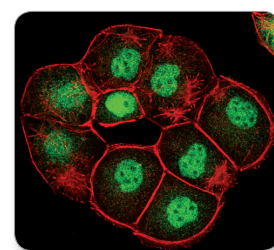
Phospho-Akt (Ser473) (D9E) XP® Rabbit mAb #4060: IHC analysis of paraffin-embedded human lung carcinoma using #4060.



PI3 Kinase p110α (C73F8) Rabbit mAb #4249: IHC analysis of paraffin-embedded human breast carcinoma using #4249.



FoxO1 (C29H4) Rabbit mAb #2880: Confocal IF analysis of IGROV-1 cells, treated with LY294002 #9901 (top) or insulin (bottom), using #2880 (green). Actin filaments were labeled with DyLight™ 554 Phalloidin #13054 (red). Blue pseudocolor = DRAQ5® (fluorescent DNA dye).



ANTIBODIES

	APPLICATIONS	REACTIVITY
#11989 Phospho-p90RSK (Ser380) (D3H11) Rabbit mAb	WB, IHC-P, IF-IC	H, M, R, Mk, Mi, (C, X, Z, B, Dg, Pg, Hr)
#12032 Phospho-p90RSK (Ser380) (D5D8) Rabbit mAb	WB, IP, F	H, M, R, Mk, (C, X, Z, B, Dg, Pg, Hr)
#13037 PDK1 (D4Q4D) Rabbit mAb	WB	H, Mk
#4257 PI3 Kinase p85 (19H8) Rabbit mAb	WB, IP	H, M, R, (C)
#4228 Phospho-PI3 Kinase p85 (Tyr458)/p55 (Tyr199) Antibody	WB, IP	M, (H, R, B)
#4249 PI3 Kinase p110α (C73F8) Rabbit mAb	WB, IP, IHC-P	H, M, R, B
#2691 PRAS40 (D23C7) XP® Rabbit mAb	WB, IP, IHC-P	H, M, R, Mk
#2997 Phospho-PRAS40 (Thr246) (C77D7) Rabbit mAb	WB, IP, IHC-P	H, M, R, Mk
#9188 PTEN (D4.3) XP® Rabbit mAb	WB, IP, IHC-P	H, M, R, Mk, Dg, (C)
#9549 Phospho-PTEN (Ser380/Thr382/383) (44A7) Rabbit mAb	WB	H, M, R, Mk, (C)
#2280 Raptor (24C12) Rabbit mAb	WB, IP	H, M, R, Mk
#2083 Phospho-Raptor (Ser792) Antibody	WB	H, M, R
#9476 Rictor (D16H9) Rabbit mAb	WB, IP	H, M
#2317 S6 Ribosomal Protein (54D2) Mouse mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Mk, Dm
#4858 Phospho-S6 Ribosomal Protein (Ser235/236) (D57.2.2E) XP® Rabbit mAb	WB, IHC-P, IHC-F, IF-IC, F	H, M, R, Mk, Mi, Sc, (C, Pg)
#5364 Phospho-S6 Ribosomal Protein (Ser240/244) (D68F8) XP® Rabbit mAb	WB, IHC-P, IF-IC, F	H, M, R, Mk, (C, Pg)
#8487 Sestrin-2 (D1B6) Rabbit mAb	WB, IP	H, Mk
#4308 Tuberin/TSC2 (D93F12) XP® Rabbit mAb	WB, IP, IF-IC	H, M, R, Hm, Mk
#8054 ULK1 (D8H5) Rabbit mAb	WB, IP	H, M, R, Mk

RELATED KITS AND ASSAYS

- #9474 PathScan® Akt Signaling Antibody Array Kit (Chemiluminescent Readout)
- #7134 PathScan® Phospho-Akt1 (Ser473) Chemiluminescent Sandwich ELISA Kit
- #7976 PathScan® Phospho-mTOR (Ser2448) Sandwich ELISA Kit
- #9916 Phospho-Akt Pathway Antibody Sampler Kit
- #9862 mTOR Substrates Antibody Sampler Kit

APPLICATIONS & REACTIVITY KEY: WB Western Blotting / IP Immunoprecipitation / IHC Immunohistochemistry / IF Immunofluorescence / F Flow Cytometry / ChIP Chromatin Immunoprecipitation / -IC Immunocytochemistry / -P Paraffin / -F Frozen / E-P Peptide ELISA / H human / M mouse / R rat / Hm hamster / Mk monkey / C chicken / Mi mink / Dm D. melanogaster / X Xenopus / Z zebra fish / B bovine / Dg dog / Pg pig / Sc S. cerevisiae / All all species expected / () 100% sequence homology

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