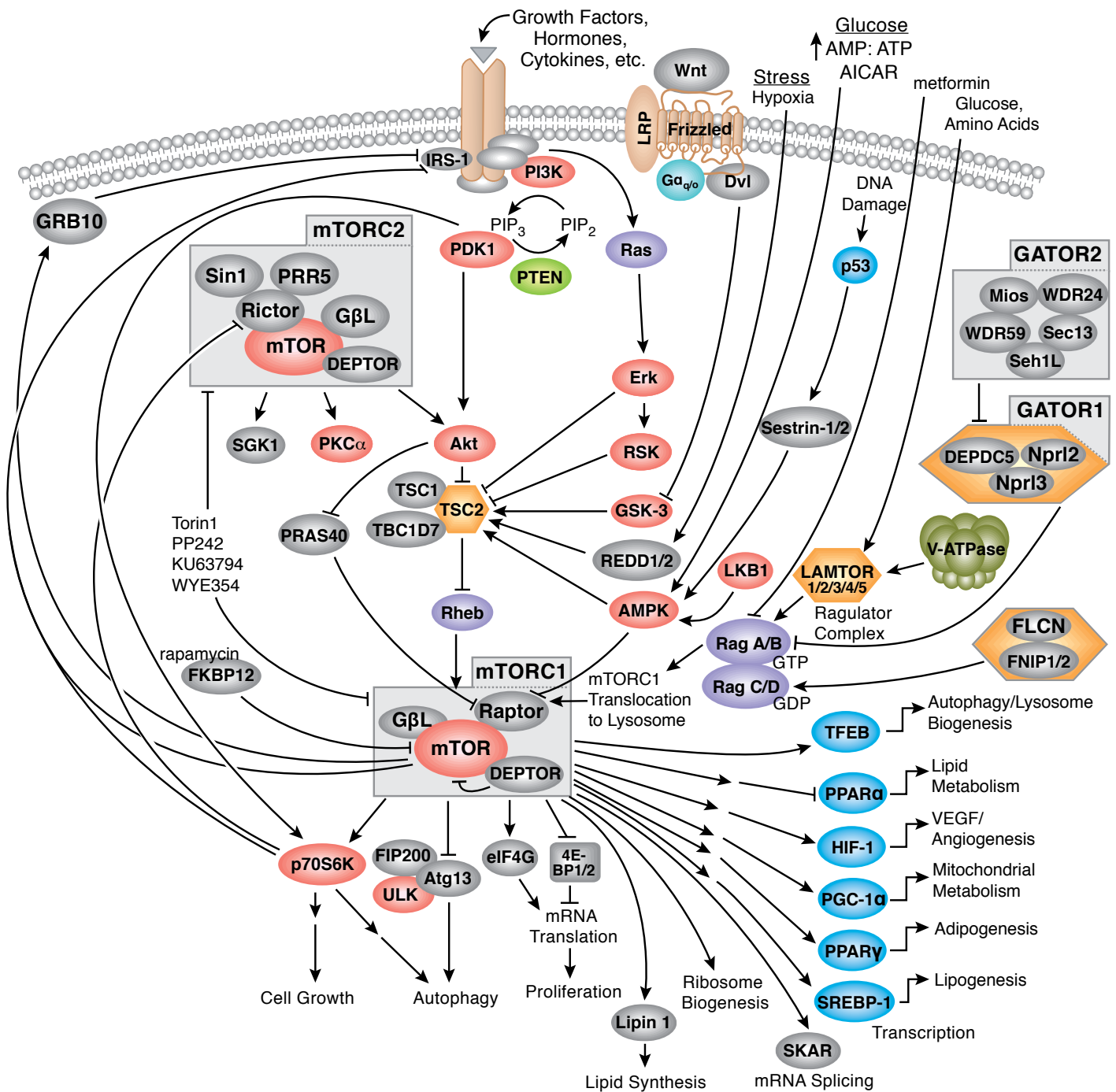


mTOR Signaling



Key Products for mTOR Signaling

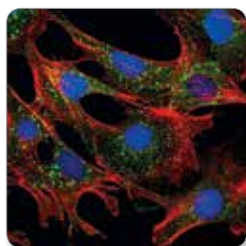
Visit www.cellsignal.com/www.cellsignal.com/mTORlist for full listing of antibodies, related kits, and reagents.

ANTIBODIES

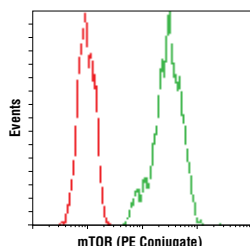
ANTIBODIES	APPLICATIONS	REACTIVITY
#9644 4E-BP1 (53H11) Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Mk
#13443 Phospho-4E-BP1 (Ser65) (D9G1Q) Rabbit mAb	WB, IP	H, Mk
#2855 Phospho-4E-BP1 (Thr37/46) (236B4) Rabbit mAb	WB, IHC-P, IF-IC, F	H, M, R, Mk, Dm
#4071 Phospho-Akt (Ser473) (D9E) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate)	F	H, M, R, Hm, Mk, Dm, Z, B, (C, X, Dg, Pg)
#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)
#13038 Phospho-Akt (Thr308) (D25E6) XP® Rabbit mAb	WB, IP, IF-IC, F	H, M, R, Mk
#4691 Akt (pan) (C67E7) Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Mk, Dm, (Pg)
#4188 Phospho-AMPKα (Thr172) (D79.5E) Rabbit mAb	WB	H, M, R, Dm, Sc, (B)
#5831 AMPKα (D5A2) Rabbit mAb	WB, IP	H, M, R, Mk, B
#4150 AMPKβ1/2 (57C12) Rabbit mAb	WB, IHC-P, IF-IC, F	H, M, R, Hm, Mk
#13468 Atg13 (E1Y9V) Rabbit mAb	WB, IP, IF-IC	H
#11816 DEPTOR/DEPDC6 (D9F5) Rabbit mAb	WB, IP, IHC-P	H, R, Mk
#3227 GβL Antibody	WB, IHC-P	H, Mk
#3274 GβL (86B8) Rabbit mAb	WB, IP	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
#14179 HIF-1α (D2U3T) Rabbit mAb	WB, ChIP	H, M, R, Mk
#3434 Hydroxy-HIF-1α (Pro564) (D43B5) XP® Rabbit mAb	WB, IP, IF-IC	H, (M, R, Mk, C, X, Z, Pg)
#3407 IRS-1 (D2G312) Rabbit mAb	WB, IP	H, M, R, Mk
#8975 LAMTOR1/C11orf59 (D11H6) XP® Rabbit mAb	WB, IP, IHC-P, IF-IC	H, M, R, Mk
#14906 Lipin 1 (D2W9G) Rabbit mAb	WB, IP, IF-IC	H, M
#13031 LKB1 (D60C5F10) Rabbit mAb (IHC Formulated)	IHC-P	H, M, Mk
#3047 LKB1 (D60C5) Rabbit mAb	WB	H, M, R, Mk
#3482 Phospho-LKB1 (Ser428) (C67A3) Rabbit mAb	WB	H, M, R, Mk
#15006 mTOR (7C10) Rabbit mAb (PE Conjugate)	F	H, M, R, Mk, (Hr)
#2983 mTOR (7C10) Rabbit mAb	WB, IHC-P, IF-IC, F	H, M, R, Mk, (Hr)
#2976 Phospho-mTOR (Ser2448) (49F9) Rabbit mAb (IHC Specific)	IHC-P, IHC-F	H, (M, R)

ANTIBODIES

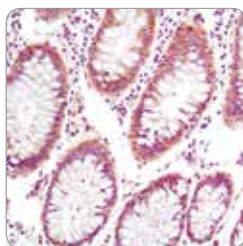
ANTIBODIES	APPLICATIONS	REACTIVITY
#5536 Phospho-mTOR (Ser2448) (D9C2) XP® Rabbit mAb	WB, IP, IF-IC	H, M, R, Mk, (R, C, Pg, Hr)
#2708 p70 S6 Kinase (49D7) Rabbit mAb	WB, IHC-P	H, M, R, Mk
#5662 PDK1 (D37A7) Rabbit mAb	WB	H, M, R, Hm, Mk
#3438 Phospho-PDK1 (Ser241) (C49H2) Rabbit mAb	WB, IP	H, M, R
#4249 PI3 Kinase p110α (C73F8) Rabbit mAb	WB, IP, IHC-P	H, M, R, B
#4257 PI3 Kinase p85 (19H8) Rabbit mAb	WB, IP	H, M, R, (C)
#2435 PPARγ (C26H12) Rabbit mAb	WB, IHC-P, IF-IC	H, M, (R)
#2691 PRAS40 (D23C7) XP® Rabbit mAb	WB, IP, IHC-P	H, M, R, Mk
#5936 Phospho-PRAS40 (Ser183) Antibody	WB, IP	H, M, (R)
#13175 Phospho-PRAS40 (Thr246) (D4D2) XP® 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)
#4357 RagA (D8B5) Rabbit mAb	WB, IP	H, M, R, Mk
#8150 RagB (D18F3) Rabbit mAb	WB, IP	H, Mk
#9480 RagC (D8H5) Rabbit mAb	WB, IP, IF-IC, F	H, M, R, Mk
#2280 Raptor (24C12) Rabbit mAb	WB, IP	H, M, R, Mk
#2083 Phospho-Raptor (Ser792) Antibody	WB	H, M, R
#13879 Rheb (E1G1R) Rabbit mAb	WB, IP	H, M, R, Mk
#2114 Rictor (53A2) Rabbit mAb	WB	H, M, R, Mk
#3806 Phospho-Rictor (Thr1135) (D30A3) Rabbit mAb	WB	H, M, Mk
#11989 Phospho-p90RSK (Ser380) (D3H11) Rabbit mAb	WB, IHC-P, IF-IC	H, M, R, Mk, Mi, (C, X, Z, B, Dg, Pg, Hr)
#8753 Phospho-p90RSK (Thr359) (D1E9) Rabbit mAb	WB, IP, IHC-P, IF-IC	H, Mk, (C, X, Dg, Hr)
#9355 RSK1/RSK2/RSK3 (32D7) Rabbit mAb	WB, IP, IF-IC	H, M, R, Mk, GP
#12103 SGK1 (D27C11) Rabbit mAb	WB, IP	H
#5599 Phospho-SGK1 (Ser78) (D36D11) Rabbit mAb	WB, IP	H, (M, R, Mk)
#12860 Sin1 (D7G1A) Rabbit mAb	WB, IP	H, R, Mk
#14716 Phospho-Sin1 (Thr86) (D4U9L) Rabbit mAb	WB, IP	H, M, (R)
#4308 Tuberin/TSC2 (D93F12) XP® Rabbit mAb	WB, IP, IF-IC, F	H, M, R, Hm, Mk
#5584 Phospho-Tuberin/TSC2 (Ser1387) Antibody	WB, IP	H, M, R, Mk
#3617 Phospho-Tuberin/TSC2 (Thr1462) (5B12) Rabbit mAb	WB, IP	H, M, R
#8054 ULK1 (D8H5) Rabbit mAb	WB, IP	H, M, R, Mk
#14202 Phospho-ULK1 (Ser757) (D706U) Rabbit mAb	WB, IP	H, M, R
#2530 Wnt5a/β (C27E8) Rabbit mAb	WB	H



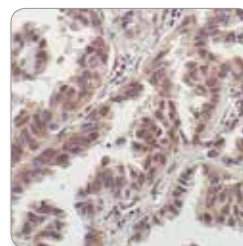
mTOR (7C10) Rabbit mAb #2983: Confocal IF analysis of MEF cells using #2983 (green). Actin filaments = DY-554 phalloidin (red). Blue pseudocolor = DRAQ5® (DNA dye).



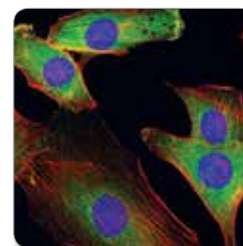
mTOR (7C10) Rabbit mAb (PE Conjugate) #15006: Flow cytometric analysis of 293T cells using #15006 (green) compared to the concentration-matched isotype control (red).



PTEN (D4.3) XP® Rabbit mAb #9188: IHC analysis of paraffin-embedded human colon using #9188.



p70 S6 Kinase (49D7) Rabbit mAb #2708: IHC analysis of paraffin-embedded human lung carcinoma, showing cytoplasmic and nuclear localization using #2708.



AMPKβ1/2 (57C12) Rabbit mAb #4150: Confocal IF analysis of untreated C2C12 cells labeled with #4150 (green). Actin filaments = Alexa Fluor® 555 phalloidin (red). Blue pseudocolor = DRAQ5® (DNA dye).

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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For pathway key and background please visit:

www.cellsignal.com/www.cellsignal.com/mTOR

