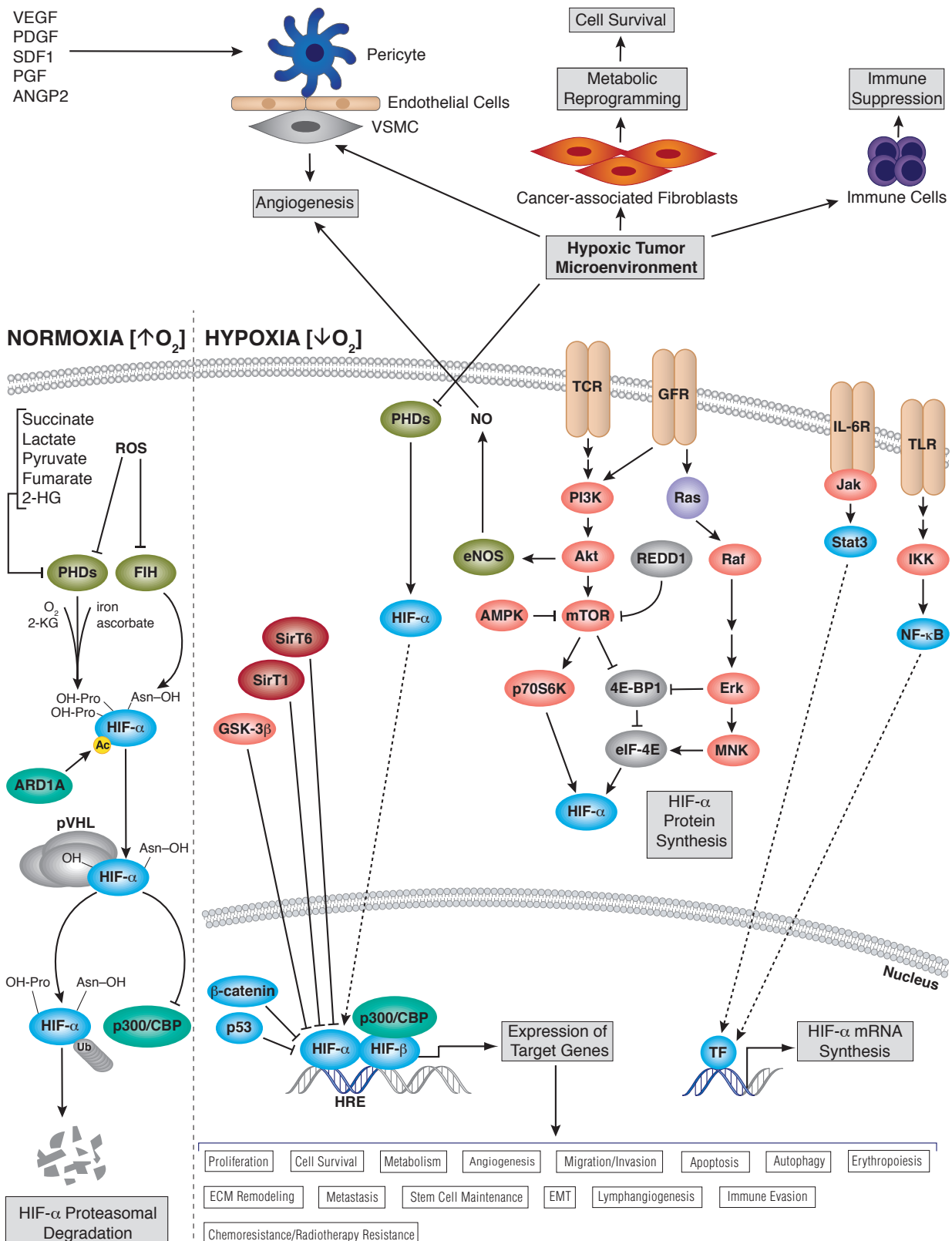


Hypoxia Signaling



For pathway key and background please visit:

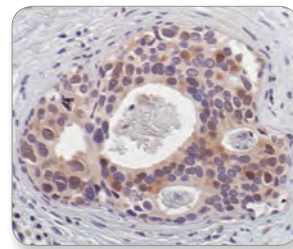
www.cellsignal.com/hypoxia

Key Products for Hypoxia Signaling

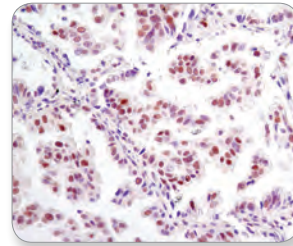
Visit www.cellsignal.com/hypoxialist for full listing of products

ANTIBODIES

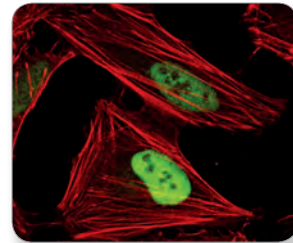
		APPLICATIONS	REACTIVITY
#9644	4E-BP1 (53H11) Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Mk
#2855	Phospho-4E-BP1 (Thr37/46) (236B4) Rabbit mAb	WB, IHC-P, IF-IC, F	H, M, R, Mk, Dm
#13443	Phospho-4E-BP1 (Ser65) (D9G1Q) Rabbit mAb	WB, IP	H, Mk
#2535	Phospho-AMPA (Thr172) (40H9) Rabbit mAb	WB, IP, IHC-P	H, M, R, Hm, Mk, Dm, Sc, (C, Z, B, Pg)
#4150	AMPKβ1/2 (57C12) Rabbit mAb	WB, IHC-P, IF-IC, F	H, M, R, Hm, Mk
#13357	ARD1A (E1J2B) Rabbit mAb	WB, IP	H, M, R, Mk, (Hm, Hr)
#9582	β-Catenin (6B3) Rabbit mAb	WB, IP, IHC-P, IHC-F	H, M, R, Mk, (X, B, Dg, Pg, Hr)
#19807	Non-phospho (Active) β-Catenin (Ser45) (D2U8Y) XP® Rabbit mAb	WB, IP, IHC-P, IF-F, IF-IC, F	H, M, R, Mk, Z, Dg
#7389	CBP (D6C5) Rabbit mAb	WB, IP, IF-IC, ChIP	H, M, R, Mk
#4771	Acetyl-CBP (Lys1535)/p300 (Lys1499) Antibody	WB, IP, ChIP	H, M, Mk, (R)
#13410	Enolase-1 (D2S1A) Rabbit mAb	WB	H, M, R, Mk
#3810	Enolase-1 Antibody	WB, IP	H, M, R, Mk
#8171	Enolase-2 (D20H2) Rabbit mAb	WB, IP	H, M, R, Mk
#4426	FIH (D19B3) 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
#14179	HIF-1α (D2U3T) Rabbit mAb	WB, ChIP, ChIP-seq	H, M, R, Mk
#79233	HIF-1α (D5F3M) Mouse mAb	WB, IP, IF-IC, F	H, Mk
#3716	HIF-1α Antibody	WB	H, Mk
#3434	Hydroxy-HIF-1α (Pro564) (D43B5) XP® Rabbit mAb	WB, IP, IF-IC	H, (M, R, Mk, C, X, Z, Pg)
#5537	HIF-1β/ARNT (D28F3) XP® Rabbit mAb	WB, IP, IHC-P, ChIP	H, M, R, Mk
#3414	HIF-1β/ARNT (C15A11) Rabbit mAb	WB, IP, IF-IC	H, Mk
#7096	HIF-2α (D9E3) Rabbit mAb	WB	H
#4877	HSP90 (C45G5) Rabbit mAb	WB, IHC-P, IF-IC, F	H, M, R, Mk, (B)
#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, R, Mk, (R, C, Pg, Hr)
#2976	Phospho-mTOR (Ser2448) (49F9) Rabbit mAb (IHC Specific)	IHC-P, IHC-F	H, (M, R)
#32027	eNOS (D9A5L) Rabbit mAb	WB, IP, IF-IC	H, M, R, B
#35362	eNOS (D8A6N) Rabbit mAb	WB, IHC-P	H, B
#5880	eNOS (6H2) Mouse mAb	WB, IHC-P	H, B
#9570	Phospho-eNOS (Ser1177) (C9C3) Rabbit mAb	WB, IP, E-P	H, B, Pg, (M, R)
#13120	iNOS (D6B6S) Rabbit mAb	WB, IP, IF-IC, F	M
#2527	p53 (7F5) Rabbit mAb	WB, IHC-P, IF-IC, F, ChIP	H, Mk
#32532	p53 (D2H90) Rabbit mAb (Rodent Specific)	WB, IP, ChIP	M, R
#48818	p53 (D0-7) Mouse mAb	WB, IHC-P, IF-IC, F, ChIP	H
#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)
#4835	PHD-2/Egln1 (D31E11) Rabbit mAb	WB, IP	H, M, R, Mk
#3293	PHD-2/Egln1 Antibody	WB	H
#9475	SirT1 (D1D7) Rabbit mAb	WB, IF-IC	H, M, R, Mk, (C, B, Pg, Hr)
#3931	SirT1 (D60E1) Rabbit mAb (Mouse Specific)	WB, IP	M
#8469	SirT1 (1F3) Mouse mAb	WB, IP, IF-IC	H, M, R, Mk
#12486	SirT6 (D8D12) Rabbit mAb	WB, IP, IF-IC	H, M, R, Mk
#68547	VHL Antibody	WB	H



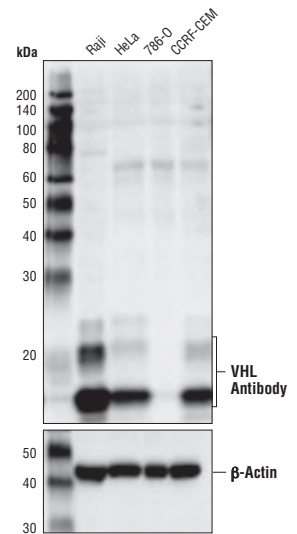
p70 S6 Kinase (49D7) Rabbit mAb #2708: IHC analysis of paraffin-embedded human breast carcinoma, using #2708.



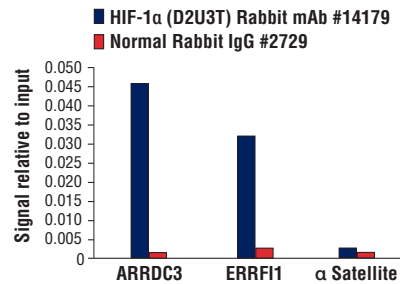
HIF-1β/ARNT (D28F3) XP® Rabbit mAb #5537: IHC analysis of paraffin-embedded human lung carcinoma using #5537.



Hydroxy-HIF-1α (Pro564) (D43B5) XP® Rabbit mAb #3434: Confocal IF analysis of Hep G2 cells, treated with 10 μM MG132, using #3434 (green). Actin filaments have been labeled using DyLight™ 554 Phalloidin (red).



VHL Antibody #68547: WB analysis of extracts from various cell lines using #68547 (upper) and β-Actin (D6A8) Rabbit mAb #8457 (lower). Note that 786-O is a VHL-null cell line, demonstrating specificity of the antibody.



HIF-1α (D2U3T) Rabbit mAb #14179: ChIP was performed with cross-linked chromatin from 4 × 10⁶ MCF7 cells treated with cobalt chloride (100 μM) overnight and either 10 μl of #14179 or 2 μl of Normal Rabbit IgG #2729, using SimpleChIP® Enzymatic Chromatin IP Kit (Magnetic Beads) #9003. The enriched DNA was quantified by real-time PCR using SimpleChIP® Human ARRD3 Downstream Primers #75671, human ERRF1 upstream primers, and SimpleChIP® Human α Satellite Repeat Primers #4486. The amount of immunoprecipitated DNA in each sample is represented as signal relative to the total amount of input chromatin, which is equivalent to one.

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 zebrafish / B bovine / Dg dog / Pg pig / Sc S. cerevisiae / All all species expected / () 100% sequence homology

© 2017 Cell Signaling Technology, Inc. All rights reserved. Cell Signaling Technology, CST, and XP are all trademarks of Cell Signaling Technology, Inc. U.S. Patent No. 5,675,063. All other trademarks are the property of their respective owners.

For Research Use Only. Not For Use In Diagnostic Procedures.

www.cellsignal.com/hypoxia

Cell Signaling
TECHNOLOGY®