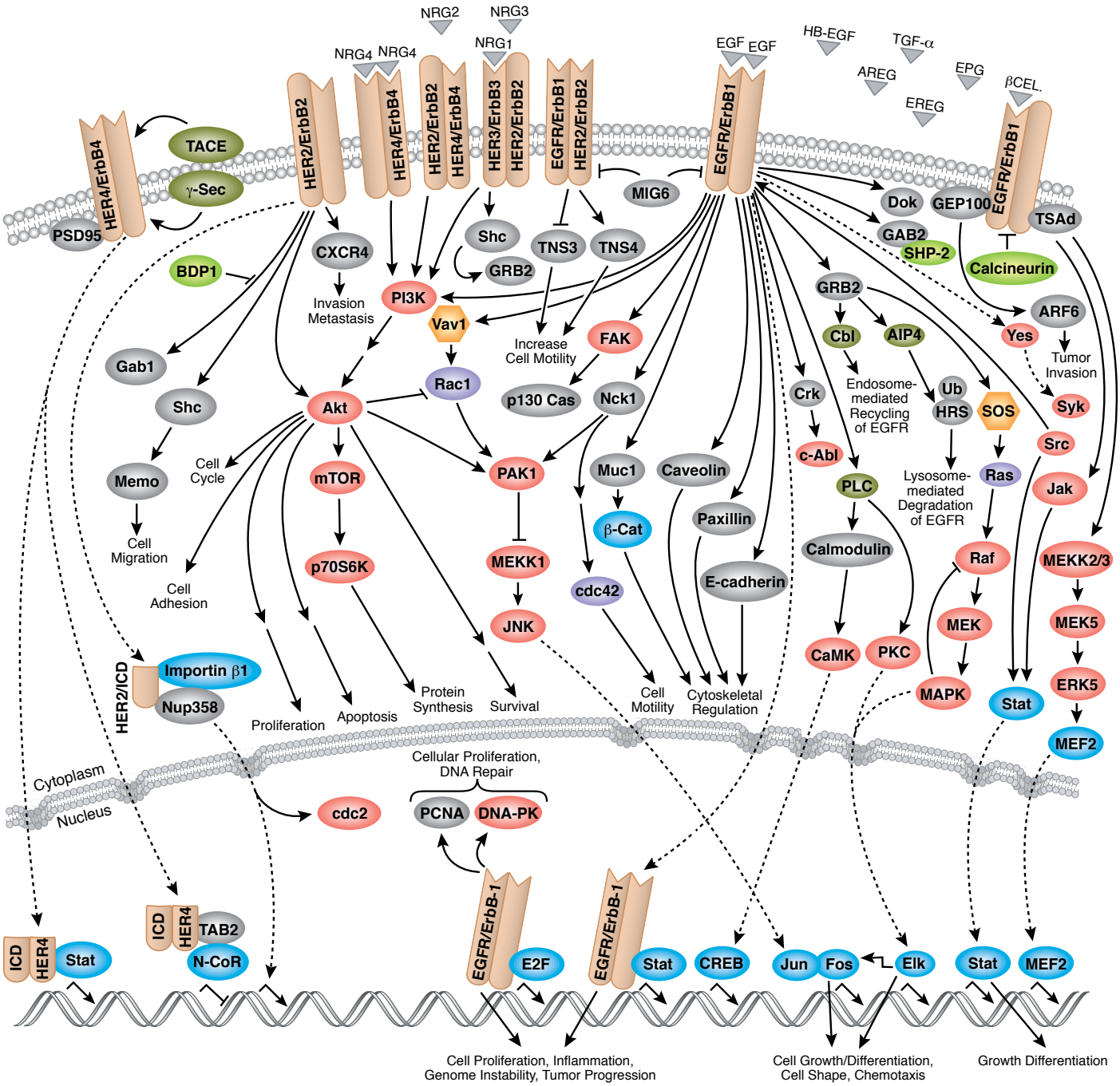


Receptor Tyrosine Kinase Signaling

ErbB/HER Signaling



For pathway key and background please visit:

www.cellsignal.com/rtk

Cell Signaling TECHNOLOGY®



Key Products for Receptor Tyrosine Kinase Signaling

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

ANTIBODIES

		APPLICATIONS	REACTIVITY
CELL SURFACE RECEPTORS			
#3633	ALK (D5F3®) XP® Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H
#54359	EGF Receptor (D1D4J) XP® Rabbit mAb (Neutralizing)	WB, IP, IF-IC, F, N	H, M
#4267	EGF Receptor (D38B1) XP® Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, Mk
#5616	EGF Receptor (D38B1) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate)	IF-IC, F	H, M, Mk
#3777	Phospho-EGF Receptor (Tyr1068) (D7A5) XP® Rabbit mAb	WB, IHC-P, IF-IC, F	H, M, R, Mk
#4290	HER2/ErbB2 (D8F12) XP® Rabbit mAb	WB, IHC-P	H, M, (R)
#2165	HER2/ErbB2 (29D8) Rabbit mAb	WB, IP, IHC-P, IHC-F, IF-IC, F	H, M, (R)
#6942	Phospho-HER2/ErbB2 (Tyr1196) (D66B7) Rabbit mAb	WB, IP	H, M
#2243	Phospho-HER2/ErbB2 (Tyr1221/1222) (6B12) Rabbit mAb	WB, IHC-P, IHC-F	H, M
#12708	HER3/ErbB3 (D22C5) XP® Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, (R)
#4784	Phospho-HER3/ErbB3 (Tyr1222) (50C2) Rabbit mAb	WB	H, M
#2842	Phospho-HER3/ErbB3 (Tyr1289) (D1B5) Rabbit mAb	WB, IP, IHC-P	H, M, (R)
#4795	HER4/ErbB4 (111B2) Rabbit mAb	WB, IP	H, M, (R)
#4757	Phospho-HER4/ErbB4 (Tyr1284) (21A9) Rabbit mAb	WB	H, (M, R)
#3790	Phospho-HER4/ErbB4 (Tyr984) Antibody	WB	H, (M, R)
#3287	ROS1 (D4D6®) Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H
#2893	VEGF Receptor 1 Antibody	WB	H
#2479	VEGF Receptor 2 (55B11) Rabbit mAb	WB, IP, IHC-P, IF-F, IF-IC	H, M, (B)
#3817	Phospho-VEGF Receptor 2 (Tyr1059) (D5A6) Rabbit mAb	WB	H, M, (R)
#2478	Phospho-VEGF Receptor 2 (Tyr1175) (19A10) Rabbit mAb	WB, IHC-P, IF-IC	H, M
#2638	VEGF Receptor 3 (C28G5) Rabbit mAb	WB	H
SIGNALING PROTEINS			
#2965	Phospho-Akt (Thr308) (C31E5E) Rabbit mAb	WB, IF-IC, F	H, M, R, Hm, Mk
#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)
#4075	Phospho-Akt (Ser473) (D9E) XP® Rabbit mAb (Alexa Fluor® 647 Conjugate)	F	H, M, R, Hm, Mk, Dm, Z, B, (C, X, Dg, Pg)
#5740	Arf6 (D12G6) Rabbit mAb	WB, IP	H, M, R, Mk
#4436	CaMKII (pan) (D11A10) Rabbit mAb	WB	H, M, R
#3362	CaMKII (pan) Antibody	WB	H, M, R, Mk
#12716	Phospho-CaMKII (Thr286) (D21E4) Rabbit mAb	WB	H, M, R

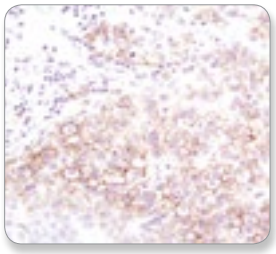
ANTIBODIES

		APPLICATIONS	REACTIVITY
#3267	Caveolin-1 (D46G3) XP® Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Hm, Mk, B, Dg
#3251	Phospho-Caveolin-1 (Tyr14) Antibody	WB	H, M, R, Mk, (Dg)
#8522	Caveolin-2 (D4A6) XP® Rabbit mAb	WB, IP, IF-IC	H, Mk
#60769	Importin β1 (E1F1G) Rabbit mAb	WB, IP	H, M, R
#9258	JNK2 (56G8) Rabbit mAb	WB	H, M, R, Hm, Mk, Mi
#8975	LAMTOR1/C11orf59 (D11H6) XP® Rabbit mAb	WB, IP, IHC-P, IF-IC	H, M, R, Mk
#2983	mTOR (7C10) Rabbit mAb	WB, IHC-P, IF-IC, F	H, M, R, Mk, (Hr)
#4517	mTOR (L27D4) Mouse mAb	WB	H, M, R, Mk
#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
#13846	p130 Cas (E1L9H) Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Mk
#4015	Phospho-p130 Cas (Tyr165) Antibody	WB	H, M, R
#4011	Phospho-p130 Cas (Tyr410) Antibody	WB, IP	H, M, R
#4695	p44/42 MAPK (Erk1/2) (137F5) Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Hm, Mk, Mi, Dm, Z, B, Dg, Pg, Ce, (C)
#4370	Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (D13.14.4E) XP® Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H, M, R, Hm, Mk, Mi, Dm, Z, B, Dg, Pg, Sc, (C, Ce)
#4377	Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (197G2) Rabbit mAb	WB, IF-IC, F	H, M, R, Mk, Mi, Dm, Z, Pg
#13148	Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (197G2) Rabbit mAb (Alexa Fluor® 647 Conjugate)	F	H, M, R, Mk, Mi, Dm, Z, Pg
#4376	Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (20G11) Rabbit mAb	WB, IP, IHC-P	H, M, R, Hm, Mk, Mi, Dm, Z, Pg, Sc
#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)
#9209	Phospho-Drosophila p70 S6 Kinase (Thr398) Antibody	WB	H, Dm
#4668	Phospho-SAPK/JNK (Thr183/Tyr185) (81E11) Rabbit mAb	WB, IP, IHC-P	H, M, R, Dm, Sc
#9255	Phospho-SAPK/JNK (Thr183/Tyr185) (G9) Mouse mAb	WB, IP, IF-IC, F	H, M, R, Hm, Sc
#6978	TACE (D22H4) Rabbit mAb	WB	H

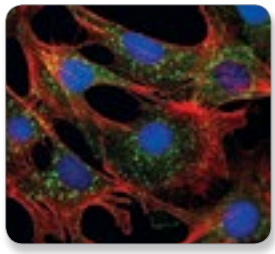
RELATED KITS AND REAGENTS

#7240	PathScan® Phospho-EGF Receptor (Tyr1068) Sandwich ELISA Kit
#7250	PathScan® Total EGF Receptor Sandwich ELISA Kit

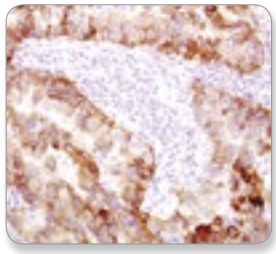
HER2/ErbB2 (29D8) Rabbit mAb #2165: IHC analysis of paraffin-embedded human breast carcinoma, using #2165.



mTOR (7C10) Rabbit mAb #2983: Confocal IF analysis of mouse embryonic fibroblast (MEF) cells using #2983 (green). Actin filaments were labeled with DyLight™ 554 phalloidin #13054 (red). Blue pseudocolor = DRAQ5® #4084 (fluorescent DNA dye).



EGF Receptor (D38B1) XP® Rabbit mAb #4267: IHC analysis of paraffin-embedded human lung carcinoma using #4267.



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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