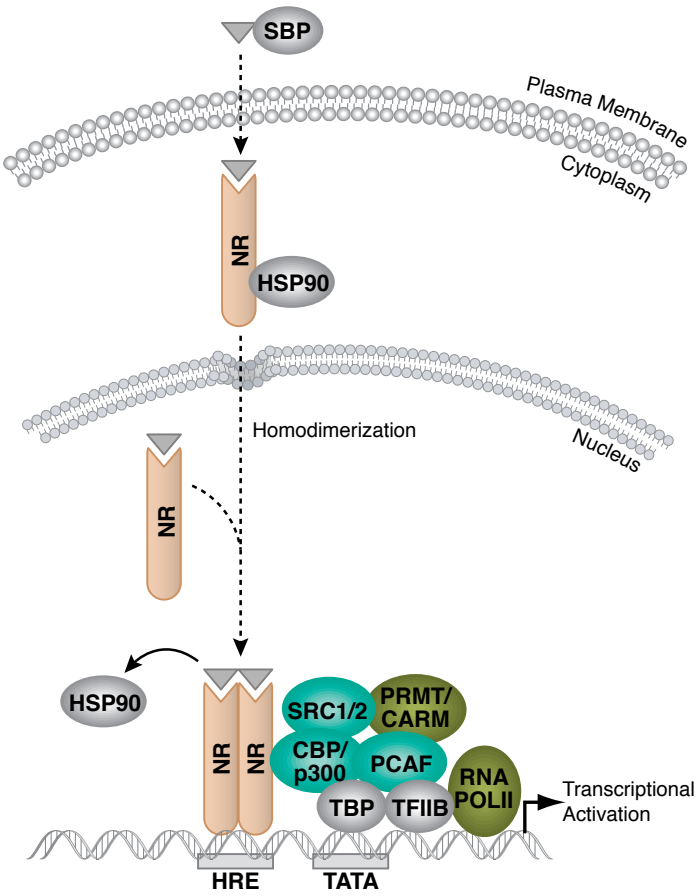
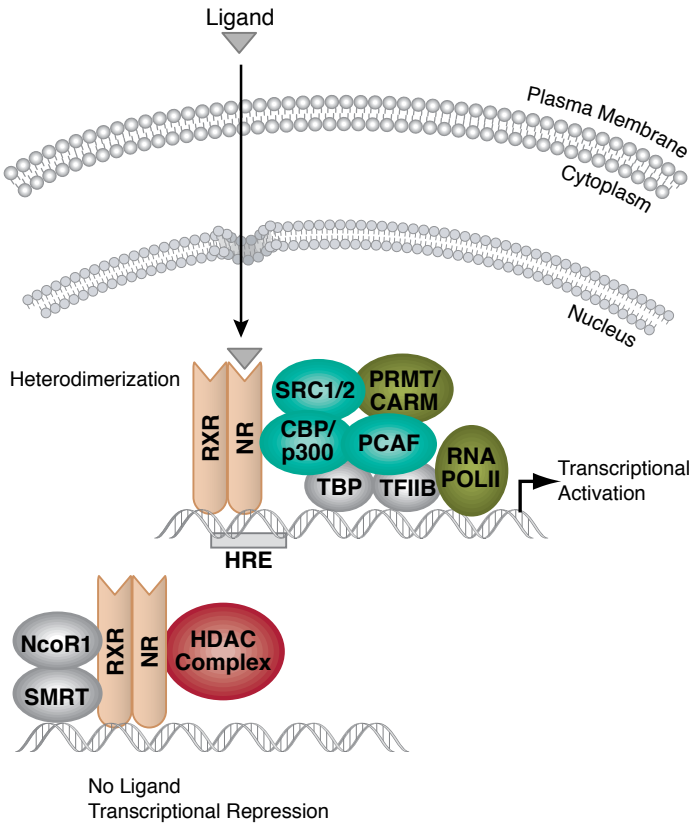
# Nuclear Receptor Signaling

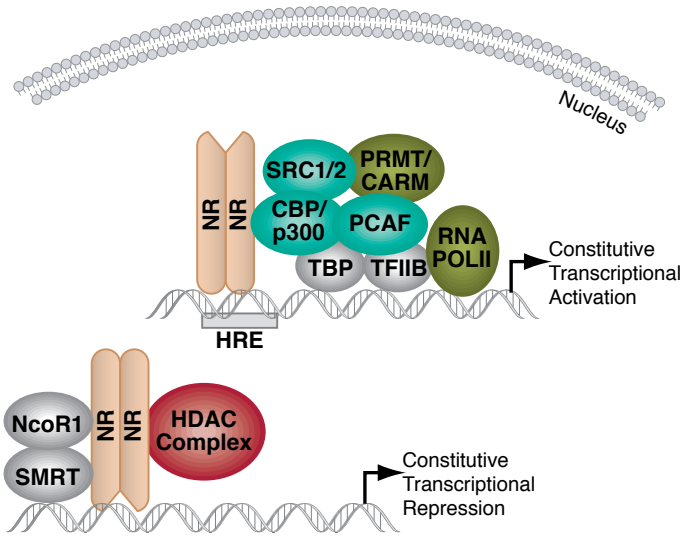
### Type I Steroid Receptors (Homodimers)




### Type IIa Non-steroid Receptors (RXR Heterodimers)




### Type IIb Orphan Receptors (Monomers and Homodimers)




For pathway key and background please visit:

www.cellsignal.com/nuclearreceptor

Cell Signaling TECHNOLOGY®

# Key Products for Nuclear Receptor Signaling

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

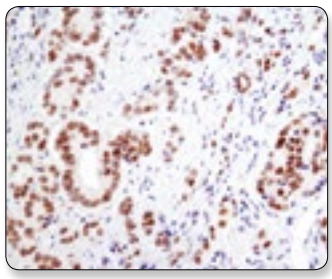
## ANTIBODIES

| | | APPLICATIONS | REACTIVITY |
|---|---|---|---|
| #5153 | Androgen Receptor (D6F11) XP® Rabbit mAb | WB, IHC-P, IF-IC, F | H |
| #7389 | CBP (D6C5) Rabbit mAb | WB, IP, IF-IC, ChIP | H, M, R, Mk |
| #6364 | COUP-TFI (D4H2) Rabbit mAb | WB, IP | H, M, R |
| #6434 | COUP-TFII (D16C4) Rabbit mAb | WB, IP | H, M, R |
| #13538 | DAX1 (D2F1) Rabbit mAb | WB, IP, IHC-P, IF-IC | H |
| #13826 | ERRα (E1G1J) Rabbit mAb | WB, ChIP | H, M, R, Mk (B, Dg, Pg, Hr) |
| #8644 | Estrogen Receptor α (D8H8) Rabbit mAb | WB, IP, IF-IC, ChIP | H |
| #2511 | Phospho-Estrogen Receptor α (Ser118) (16J4) Mouse mAb | WB, IHC-P | H |
| #5587 | Phospho-Estrogen Receptor α (Ser167) (D1A3) Rabbit mAb | WB | H (Mk) |
| #5417 | GCNF Antibody | WB | H, M, R |
| #12041 | Glucocorticoid Receptor (D6H2L) XP® Rabbit mAb | WB, IP, IHC-P, IF-IC, F, ChIP | H, M, R, Mk |
| #4161 | Phospho-Glucocorticoid Receptor (Ser211) Antibody | WB, IP, IF-IC | H, M |
| #5356 | HDAC1 (10E2) Mouse mAb | WB, IP, IF-IC | H, M, R, Mk |
| #5113 | HDAC2 (3F3) Mouse mAb | WB, IP, IF-IC | H, M, R, Mk |
| #3949 | HDAC3 (7G6C5) Mouse mAb | WB, IP, IF-IC | H, M, R, Mk |
| #7628 | HDAC4 (D15C3) Rabbit mAb | WB, IP | H, M, R, Mk |
| #20458 | HDAC5 (D1J7V) Rabbit mAb | WB, IP | H, M, R, Mk |
| #7558 | HDAC6 (D2E5) Rabbit mAb | WB, IP, IHC-P, IF-IC | H, Mk |
| #3113 | HNF4α (C11F12) Rabbit mAb | WB, IHC-P, IF-IC | H |
| #4877 | HSP90 (C45G5) Rabbit mAb | WB, IHC-P, IF-IC, F | H, M, R, Mk (B) |
| #13519 | LXR-β (D6M9D) Rabbit mAb | WB | H R |
| #5948 | NCoR1 Antibody | WB | H, M, R, Mk |
| #8633 | NRBF-2 (D8G1) Rabbit mAb | WB, IP | H M R Mk (Hm, B, Dg, Hr) |
| #3960 | Nur77 (D63C5) XP® Rabbit mAb | WB, IP, IF-IC, F | H |
| #5095 | Phospho-Nur77 (Ser351) (D22G5) Rabbit mAb | WB | H (M, R) |
| #3378 | PCAF (C14G9) Rabbit mAb | WB, IP, ChIP | H M R Mk (B, Hr) |
| #96986 | PELP1 (D5Q4W) Rabbit mAb | WB, IP, IHC-P | H, M, R |
| #13856 | PGRMC1 (D6M5M) XP® Rabbit mAb | WB, IP, IHC-P, IF-IC | H, M, R, Mk |
| #14085 | PHB2 (E1Z5A) Rabbit mAb | WB, IP, IF-IC | H, M, R |
| #2435 | PPARγ (C26H12) Rabbit mAb | WB, IHC-P, IF-IC | H, M (R) |
| #2449 | PRMT1 (A33) Antibody | WB, IP, IF-IC | H, M, R, Mk (B) |
| #12495 | PRMT4/CARM1 (3H2) Mouse mAb | WB, IP, IF-IC, ChIP | H, M, R, Mk |
| #2252 | PRMT5/Skb1Hs Methyltransferase Antibody | WB | H, M, R, Mk |
| #8757 | Progesterone Receptor A/B (D8Q2J) XP® Rabbit mAb | WB, IP, IHC-P, IF-IC, F, ChIP | H (Mk) |
| #3157 | Progesterone Receptor B (C1A2) Rabbit mAb | WB, IHC-P, IF-IC, F | H |
| #2554 | RARα Antibody | WB | M, R |
| #8965 | RARγ1 (D3A4) XP® Rabbit mAb | WB, IP, IHC-P, IF-IC | H, M (R, Hm, B, Dg) |
| #13418 | Rev-Erbα (E1Y6D) Rabbit mAb | WB, IP, ChIP | H, M, R |
| #2129 | Phospho-Rev-Erbα (Ser55/59) Antibody | WB | H (M, R, B) |
| #3085 | RXRα (D6H10) Rabbit mAb | WB, IP | H, M, R |
| #8715 | RXRβ Antibody | WB, IP | H, M (R, Mk, B, Dg, Pg) |
| #5629 | RXRγ Antibody | WB, IP | H, M (R, Mk, B, Dg) |
| #8056 | SIN3A (D9D6) Rabbit mAb | WB, IP, IF-IC, ChIP | H, Mk |
| #2191 | SRC-1 (128E7) Rabbit mAb | WB, IP, IHC-P | H, M, R, Mk |
| #2126 | SRC-3 (5E11) Rabbit mAb | WB, IP, ChIP | H, M, R, Mk |
| #2115 | SRC-3 (11B1) Mouse mAb | WB, IF-IC, F | H |
| #2979 | Phospho-SRC-3 (Thr24) Antibody | WB, IF-IC | H |
| #12800 | STF-1 (D1Z2A) XP® Rabbit mAb | WB, IP, IF-IC, ChIP | H, M, R (B) |
| #74499 | TBL1XR1/TBLR1 (D4J9C) Rabbit mAb | WB, IP, ChIP | H, Mk |
| #12550 | Vitamin D3 Receptor (D2K6W) Rabbit mAb | WB, IP, IHC-P | H, M (Hm, B, Pg, Hr) |

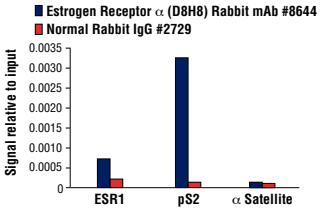
## RELATED KITS AND REAGENTS

| | | | |
|---|---|---|---|
| #9924 | Phospho-Estrogen Receptor α Antibody Sampler Kit | | |
| #9928 | Histone Deacetylase (HDAC) Antibody Sampler Kit | | |
| #8595 | Nuclear Receptor Antibody Sampler Kit | | |
| #8589 | Retinoic Acid and Retinoid X Receptors Antibody Sampler Kit | | |
| #12850 | PathScan® Total Androgen Receptor Sandwich ELISA Kit | ELISA | |
| #80251 | PathScan® Total Estrogen Receptor α Sandwich ELISA Kit | ELISA | |

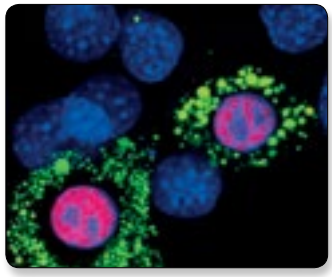
**Androgen Receptor (D6F11) XP® Rabbit mAb #5153:** IHC analysis of paraffin-embedded human prostate carcinoma using #5153.



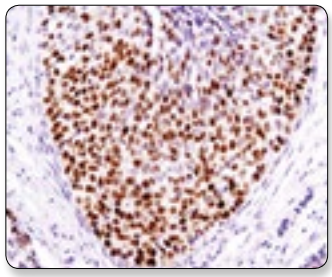
**Estrogen Receptor α (D8H8) Rabbit mAb #8644:** ChIP was performed with cross-linked chromatin from β-estradiol treated MCF7 cells (10 nM, 45 min) and either 5 µl of #8644 or 2 µl of Normal Rabbit IgG #2729, using SimpleChIP® Enzymatic Chromatin IP Kit (Magnetic Beads) #9003.



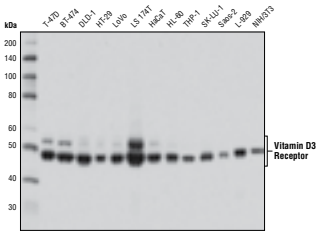

**PPARγ (C26H12) Rabbit mAb #2435:** IF analysis of 3T3-L1 cells using #2435 (red) showing nuclear localization in differentiated cells. Lipid droplets have been labeled with BODIPY 493/503 (green). Blue pseudocolor = DRAQ5® (fluorescent DNA dye).



**Progesterone Receptor A/B (D8Q2J) XP® Rabbit mAb #8757:** IHC analysis of paraffin-embedded human infiltrating ductal breast carcinoma using #8757.



**Vitamin D3 Receptor (D2K6W) Rabbit mAb #12550:** WB analysis of extracts from various cell lines using #12550.




**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

16FLYNRPT0035ENG

© 2016 Cell Signaling Technology, Inc. Cell Signaling Technology, CST, PathScan, SimpleChIP, 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/nuclearreceptor**

Cell Signaling TECHNOLOGY®