

Androgen Receptor (D6F11) XP[®] Rabbit mAb (Alexa Fluor[®] 647 Conjugate)



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rev. 02/23/16

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

Applications	Species Cross-Reactivity	Isotype
IF-IC, F Endogenous	H	Rabbit IgG

Description: This Cell Signaling Technology antibody is conjugated to Alexa Fluor[®] 647 fluorescent dye and tested in-house for direct flow cytometric and immunofluorescent analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated Androgen Receptor (D6F11) XP[®] Rabbit mAb #5153.

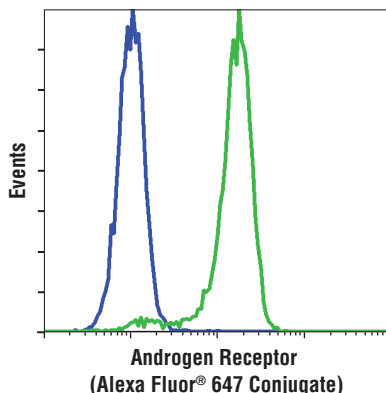
Background: Androgen receptor (AR), a zinc finger transcription factor belonging to the nuclear receptor superfamily, is activated by phosphorylation and dimerization upon ligand binding (1). This promotes nuclear localization and binding of AR to androgen response elements in androgen target genes. AR plays a crucial role in several stages of male development and the progression of prostate cancer (2,3).

Specificity/Sensitivity: Androgen Receptor (D6F11) XP[®] Rabbit mAb (Alexa Fluor[®] 647 Conjugate) detects endogenous levels of total androgen receptor protein.

Source/Purification: Monoclonal antibody is produced by immunizing animals with a recombinant protein corresponding to residues near the amino terminal region of human androgen receptor protein.

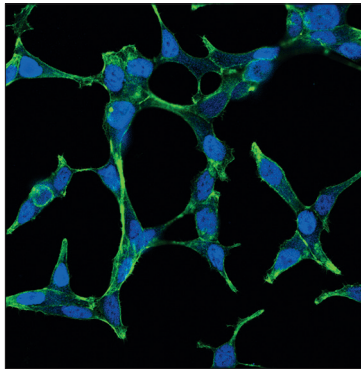
Background References:

- (1) Li, J. and Al-Azzawi, F. (2009) *Maturitas* 63, 142-8.
- (2) Avila, D.M. et al. (2001) *J. Steroid. Biochem. Mol. Biol.* 76, 135-142.
- (3) Montgomery, J.S. et al. (2001) *J. Pathol.* 195, 138-146.

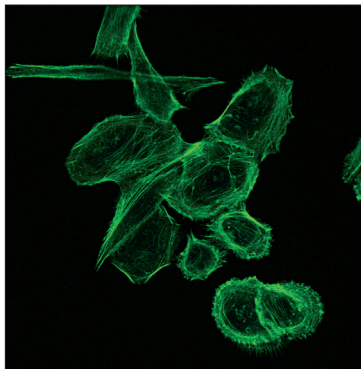


◀ Flow cytometric analysis of Jurkat (blue) and LNCaP (green) cells using Androgen Receptor (D6F11) XP[®] Rabbit mAb (Alexa Fluor[®] 647 Conjugate).

LNCaP



DU 145



Confocal immunofluorescent analysis of LNCaP (positive, left) and DU 145 (negative, right) cells using Androgen Receptor (D6F11) XP[®] Rabbit mAb (Alexa Fluor[®] 647 Conjugate) (blue pseudocolor). Actin filaments were labeled with Alexa Fluor[®] 488 phalloidin (green).

Entrez-Gene ID #367
Swiss-Prot Acc. #P10275

Storage: Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. *Protect from light. Do not freeze.*

Recommended Antibody Dilutions:

Flow Cytometry	1:50
Immunofluorescence (IF-IC)	1:50

For application specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended companion products.

Alexa Fluor[®] is a registered trademark of Molecular Probes, Inc.